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OM protein - protein search, using sw model

Run on: June 11, 2003, 08:00:14 ; Search time 15.125 Seconds  
(without alignments)  
256.782 Million cell updates/sec

Title: US-09-662-783-4

Sequence: 1 MYLDPYRGRSYHDKRSKY.....DIQLDHERCICSSRPPR 132

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/1aa/PTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/1aa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	737	100.0	370	4	US-09-457-066-37
2	737	100.0	370	4	US-09-540-224-2
3	686	93.1	370	4	US-09-540-224-4
4	328.5	44.6	345	4	US-09-040-220D-2
5	328.5	44.6	345	4	US-09-457-066-2
6	328.5	44.6	345	4	US-09-265-686-2
7	328.5	44.6	345	4	US-09-540-224-5
8	324.5	44.0	345	4	US-09-457-066-43
9	118	16.0	24	4	US-09-540-224-9
10	103	14.0	321	4	US-08-915-795-9
11	103	14.0	325	4	US-08-915-795-3
12	103	14.0	354	4	US-08-915-795-5
13	103	14.0	358	4	US-08-915-795-8
14	102	13.8	109	4	US-09-469-186-1
15	95.5	13.0	102	1	US-08-469-427A-2
16	95.5	13.0	102	2	US-08-609-443B-2
17	95.5	13.0	102	2	US-08-569-063C-2
18	95.5	13.0	102	4	US-08-851-896-2
19	95.5	13.0	133	1	US-08-469-427A-9
20	95.5	13.0	133	2	US-08-609-443B-9
21	95.5	13.0	133	2	US-08-569-063C-9
22	95.5	13.0	133	4	US-08-851-896-9
23	95.5	13.0	188	1	US-08-469-427A-5
24	95.5	13.0	188	2	US-08-609-443B-5
25	95.5	13.0	188	2	US-08-569-063C-5
26	95.5	13.0	188	4	US-08-851-896-5
27	95.5	13.0	207	2	US-08-609-443B-13

28	95.5	13.0	207	2	US-08-569-063C-13	Sequence 13, Appl
29	95.5	13.0	207	4	US-08-851-896-13	Sequence 13, Appl
30	94	12.8	195	1	US-08-469-427A-7	Sequence 7, Appl
31	94	12.8	195	2	US-08-609-443B-7	Sequence 7, Appl
32	94	12.8	195	2	US-08-569-063C-7	Sequence 7, Appl
33	94	12.8	195	4	US-08-851-896-7	Sequence 4, Appl
34	93	12.6	350	2	US-08-999-811-4	Sequence 2, Appl
35	93	12.6	350	2	US-08-824-996-2	Sequence 4, Appl
36	93	12.6	350	3	US-09-042-105-4	Sequence 4, Appl
37	93	12.6	350	4	US-08-510-133A-33	Sequence 33, Appl
38	93	12.6	350	4	US-08-585-895-33	Sequence 33, Appl
39	93	12.6	419	2	US-08-999-811-2	Sequence 2, Appl
40	93	12.6	419	3	US-09-042-105-2	Sequence 2, Appl
41	93	12.6	419	3	US-09-042-105-18	Sequence 18, Appl
42	93	12.6	419	4	US-08-795-430-8	Sequence 8, Appl
43	93	12.6	419	4	US-08-510-133A-35	Sequence 35, Appl
44	93	12.6	419	4	US-09-355-700-8	Sequence 8, Appl
45	93	12.6	419	4	US-08-601-132-33	Sequence 33, Appl

## ALIGNMENTS

```
RESULT 1
US-09-457-066-37
; Sequence 37, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
; APPLICANT: Gao, Zeren
; APPLICANT: Hart, Charles E.
; APPLICANT: Piddington, Christopher S.
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Shoemaker, Kimberly E.
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: West, James W.
; TITLE OF INVENTION: GROWTH FACTOR HOMOLOGY ZVEGF3
; FILE REFERENCE: 98-60
; CURRENT APPLICATION NUMBER: US/09/457,066
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 37
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-457-066-37

Query Match      100.0%; Score 737; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 3.1e-77;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MYLDPYRGRSYHDKRSKYDLRLNDARISCTPRNYSVNIREEKLANVFFPRCL 60
DB      239 MYLDPYRGRSYHDKRSKYDLRLNDARISCTPRNYSVNIREEKLANVFFPRCL 298
QY      61 VORGGCGGCTVMNRSCCTNSGCTKYKEVLOFEFGHTRKGRAKTALVLDLHNE 120
DB      299 VORGGCGGCTVMNRSCCTNSGCTKYKEVLOFEFGHTRKGRAKTALVLDLHNE 358
QY      121 RCDICSSRPPR 132
DB      359 RCDICSSRPPR 370

RESULT 2
US-09-540-224-2
; Sequence 2, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: Hart, Charles E.
; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
; TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
```

FILE REFERENCE: 00-28  
CURRENT APPLICATION NUMBER: US/09/540,224  
CURRENT FILING DATE: 2000-03-31  
EARLIER APPLICATION NUMBER: US 60/180,169  
EARLIER FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: FASTSEQ for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 370  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-540-224-2

Query Match 100.0%; Score 737; DB 4; Length 370;  
Best Local Similarity 100.0%; Pred. No. 3.1e-77;  
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYLDPFRYGRSRVHDHRSKVDLDRLNDDAKRYSCPTPRNSVNIREEKLNAVVFPRCLL 60  
DB 239 MYLDPFRYGRSRVHDHRSKVDLDRLNDDAKRYSCPTPRNSVNIREEKLNAVVFPRCLL 298  
QY 61 VORCGNCGCGTYNMRSCTCNSGKTYKKYHEVLOFEPGHKRRGRAKTALVDIQLDHE 120  
DB 299 VORCGNCGCGTYNMRSCTCNSGKTYKKYHEVLOFEPGHKRRGRAKTALVDIQLDHE 358  
QY 121 RCDICSSRPPR 132  
DB 359 RCDICSSRPPR 370

RESULT 3  
US-09-540-224-4  
Sequence 4, Application US/09540224  
Patent No. 6468543  
GENERAL INFORMATION:  
APPLICANT: Gilbertson, Debra G.  
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,  
FILE REFERENCE: 00-28  
CURRENT APPLICATION NUMBER: US/09/540,224  
CURRENT FILING DATE: 2000-03-31  
EARLIER APPLICATION NUMBER: US 60/180,169  
EARLIER FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: FASTSEQ for Windows Version 3.0  
SEQ ID NO 4  
LENGTH: 370  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-540-224-4

Query Match 93.1%; Score 686; DB 4; Length 370;  
Best Local Similarity 90.2%; Pred. No. 2.5e-71;  
Matches 119; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 MYLDPFRYGRSRVHDHRSKVDLDRLNDDAKRYSCPTPRNSVNIREEKLNAVVFPRCLL 60  
DB 239 LYLDPTHYGRSRVHDHRSKVDLDRLNDVRYSCPTPRNSVNIREEKLNAVVFPRCLL 298  
QY 61 VORCGNCGCGTYNMRSCTCNSGKTYKKYHEVLOFEPGHKRRGRAKTALVDIQLDHE 120  
DB 299 VORCGNCGCGTYNMRSCTCNSGKTYKKYHEVLOFEPGHKRRGRAKTALVDIQLDHE 358  
QY 121 RCDICSSRPPR 132  
DB 359 RCDICSSRPPR 370

RESULT 4  
US-09-040-220D-2  
Sequence 2, Application US/09040220D  
Patent No. 6391311

GENERAL INFORMATION:  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Kuo, Sophia S.  
TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR  
TITLE OF INVENTION: ENDOTHelial CELL GROWTH FACTOR AND BONE MORPHOGENETIC  
TITLE OF INVENTION: PROTEIN 1 AND NUCLEIC ACIDS ENCODING SAME, THEIR USES,  
FILE REFERENCE: P1122  
CURRENT APPLICATION NUMBER: US/09/040,220D  
CURRENT FILING DATE: 1998-03-17  
NUMBER OF SEQ ID NOS: 8  
SEQ ID NO 2  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Human  
US-09-040-220D-2

Query Match 44.6%; Score 328.5; DB 4; Length 345;  
Best Local Similarity 49.2%; Pred. No. 4.8e-30;  
Matches 63; Conservative 20; Mismatches 40; Indels 5; Gaps 3;

QY 1 MYLDPFRYGRSRVHDHRSKVDLDRLNDDAKRYSCPTPRNSVNIREEKLNAVVFPRC 58  
DB 215 LYRPTWQLGKAFVPRKSRVVDLNLTEVRLYSCPTPRNSVNIREEKLKRDTITWPGC 274  
QY 59 LTVORCGNCGCGTYNMRSCTCNSGKTYKKYHEVLOFEPGHKRRGRAKTALVDIQLDHE 118  
DB 275 LTVKRCGNCACCLHNCNECQCVPSKTYKKYHEVLOLRP---KTGVRLGHLKSLDVALRH 331  
QY 119 HERCDIC 126  
DB 332 HERCDICV 339

RESULT 5  
US-09-457-066-2  
Sequence 2, Application US/09457066  
Patent No. 6432673  
GENERAL INFORMATION:  
APPLICANT: Gao, Zeren  
APPLICANT: Hart, Charles E.  
APPLICANT: Piddington, Christopher S.  
APPLICANT: Sheppard, Paul O.  
APPLICANT: Shoemaker, Kimberly E.  
APPLICANT: Gilbertson, Debra G.  
APPLICANT: West, James W.  
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZYEGF3  
FILE REFERENCE: 98-60  
CURRENT APPLICATION NUMBER: US/09/457,066  
CURRENT FILING DATE: 1999-12-07  
NUMBER OF SEQ ID NOS: 50  
SOFTWARE: FASTSEQ for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-457-066-2

Query Match 44.6%; Score 328.5; DB 4; Length 345;  
Best Local Similarity 49.2%; Pred. No. 4.8e-30;  
Matches 63; Conservative 20; Mismatches 40; Indels 5; Gaps 3;

QY 1 MYLDPFRYGRSRVHDHRSKVDLDRLNDDAKRYSCPTPRNSVNIREEKLNAVVFPRC 58  
DB 215 LYRPTWQLGKAFVPRKSRVVDLNLTEVRLYSCPTPRNSVNIREEKLKRDTITWPGC 274  
QY 59 LTVORCGNCGCGTYNMRSCTCNSGKTYKKYHEVLOFEPGHKRRGRAKTALVDIQLDHE 118  
DB 275 LTVKRCGNCACCLHNCNECQCVPSKTYKKYHEVLOLRP---KTGVRLGHLKSLDVALRH 331  
QY 119 HERCDIC 126  
DB 332 HERCDICV 339

[illegible]

Query Match	16.08;	Score 118;	DB 4;	Length 24;
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Best Local Similarity 100.0%; Pred. No. 3.7e-07;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 95 FEPGHIKRRGRATMALVDIOLD 117  
Db 2 FEPGHIKRRGRATMALVDIOLD 24

RESULT 10  
US-08-915-795-9

; Sequence 9, Application US/08915795  
; Patent No. 6235713

; GENERAL INFORMATION:

; APPLICANT: Marc G. ACHEN

; APPLICANT: Andrew F. WILKS

; APPLICANT: Steven A. STACKER

; APPLICANT: Karl ALITALO

; TITLE OF INVENTION: GROWTH FACTOR

; NUMBER OF SEQUENCES: 11

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.

; STREET: 1200 G Street, NW, Suite 700

; CITY: Washington

; STATE: DC

; COUNTRY: United States of America

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; FILING DATE: US/08/915,795

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: EVANS, Joseph D.

; REGISTRATION NUMBER: 26,269

; REFERENCE/DOCKET NUMBER: 1064/42983

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 628-8800

; TELEFAX: (202) 628-8844

; TELEX: N/A

; INFORMATION FOR SEQ ID NO: 9:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 321 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; ORIGINAL SOURCE:

; TISSUE TYPE: Mouse Lung

; US-08-915-795-9

Query Match 14.0%; Score 103; DB 4; Length 321;

Best Local Similarity 27.0%; Pred. No. 0.00052;

Matches 34; Conservative 17; Mismatches 47; Indels 28; Gaps 6;

OY 7 RYGRSYHDKRSVLDRLNDKARYSCPRTNSVNIREFL-KLANVFFPRLVORCG 65  
Db 88 RFATFYDIETTLKV-----IDEMQRTQCSPRETCVEVASLGTNTFFPCVNVFRCG 143  
OY 66 GNGCGTVMWRSCSTCNSGKT---VKRYHEV---LOPEPGHIKRRGRATMALVDIOLDH 119  
Db 144 GCC-----NEEGVMCMNTSTSYISKOLFELISVPLTSP-----ELVPKRIANH 186  
OY 120 ERDCDI 125  
Db 187 TGCKCL 192

RESULT 11  
US-08-915-795-3

; Sequence 3, Application US/08915795  
; Patent No. 6235713

; GENERAL INFORMATION:

; APPLICANT: Marc G. ACHEN

; APPLICANT: Andrew F. WILKS

; APPLICANT: Steven A. STACKER

; APPLICANT: Karl ALITALO

; TITLE OF INVENTION: GROWTH FACTOR

; NUMBER OF SEQUENCES: 11

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.

; STREET: 1200 G Street, NW, Suite 700

; CITY: Washington

; STATE: DC

; COUNTRY: United States of America

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; FILING DATE: US/08/915,795

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: EVANS, Joseph D.

; REGISTRATION NUMBER: 26,269

; REFERENCE/DOCKET NUMBER: 1064/42983

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 628-8800

; TELEFAX: (202) 628-8844

; TELEX: N/A

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 325 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: NO

; ORIGINAL SOURCE:

; TISSUE TYPE: Human Breast

; US-08-915-795-3

Query Match 14.0%; Score 103; DB 4; Length 325;

Best Local Similarity 27.8%; Pred. No. 0.00052;

Matches 35; Conservative 17; Mismatches 46; Indels 28; Gaps 6;

OY 7 RYGRSYHDKRSVLDRLNDKARYSCPRTNSVNIREFL-KLANVFFPRLVORCG 65  
Db 59 RFATFYDIETTLKV-----IDEMQRTQCSPRETCVEVASLGTNTFFPCVNVFRCG 114  
OY 66 GNGCGTVMWRSCSTCNSGKT---VKRYHEV---LOPEPGHIKRRGRATMALVDIOLDH 119  
Db 115 GCC-----NEESLIMCMNTSTSYISKOLFELISVPLTSP-----ELVPKRIANH 157  
OY 120 ERDCDI 125  
Db 158 TGCKCL 163

RESULT 12  
US-08-915-795-5  
; Sequence 5, Application US/08915795  
; Patent No. 6235713  
; GENERAL INFORMATION:  
; APPLICANT: Marc G. ACHEN  
; APPLICANT: Andrew F. WILKS  
; APPLICANT: Steven A. STACKER  
; APPLICANT: Karl ALITALO  
; TITLE OF INVENTION: GROWTH FACTOR  
; NUMBER OF SEQUENCES: 11

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.
STREET: 1200 G Street, NW, Suite 700
CITY: Washington
STATE: DC
COUNTRY: United States of America
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/915,795
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, Joseph D.
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/42983
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
TELEX: N/A
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 354 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
TISSUE TYPE: Human Lung
US-08-915-795-5

Query Match      14.0%; Score 103; DB 4; Length 354;
Best Local Similarity 27.8%; Pred. No. 0.00058;
Matches 35; Conservative 17; Mismatches 46; Indels 28; Gaps 6;

QY 7 RYGRSYHDKRSYVDLRLNDKARKYSCPRNTSVNIREEL-KLVNVFFPRLVORCG 65
DB 88 RFAATFYDITLKV-----IDEMQRTQCSPRETCVEVASLGTITFFKPCVNVFRCG 143
QY 66 GNGCGGVNMRSCGNSGKT---VKKYHEV---LQEPGHIKRGAKTALVDIOLDHH 119
DB 144 GCC-----NEESLICMNTSTYSISKOLFETSVPLTSVP-----ELVPVKYANH 186
QY 120 ERDCDI 125
DB 187 TGCKCL 192

RESULT 13
US-08-915-795-8
Sequence 8, Application US/08915795
Patent No. 6235713
GENERAL INFORMATION:
APPLICANT: Marc G. ACHEN
APPLICANT: Andrew F. WILKS
APPLICANT: Steven A. STACKER
APPLICANT: Karl ALITALO
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.
STREET: 1200 G Street, NW, Suite 700
CITY: Washington
STATE: DC
COUNTRY: United States of America
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/915,795
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, Joseph D.
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/42983
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
TELEX: N/A
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 358 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
TISSUE TYPE: Mouse Lung
US-08-915-795-8

Query Match      14.0%; Score 103; DB 4; Length 358;
Best Local Similarity 27.0%; Pred. No. 0.00059;
Matches 34; Conservative 17; Mismatches 47; Indels 28; Gaps 6;

QY 7 RYGRSYHDKRSYVDLRLNDKARKYSCPRNTSVNIREEL-KLVNVFFPRLVORCG 65
DB 93 RFAATFYDITLKV-----IDEMQRTQCSPRETCVEVASLGTITFFKPCVNVFRCG 148
QY 66 GNGCGGVNMRSCGNSGKT---VKKYHEV---LQEPGHIKRGAKTALVDIOLDHH 119
DB 149 GCC-----NEGVCMNTSTYSISKOLFETSVPLTSVP-----ELVPVKYANH 191
QY 120 ERDCDI 125
DB 192 TGCKCL 197

RESULT 14
US-09-469-186-1
Sequence 1, Application US/09469186
Patent No. 6383484
GENERAL INFORMATION:
APPLICANT: ACHEN, Marc G.
APPLICANT: STACKER, Steve A.
TITLE OF INVENTION: ANTIBODIES TO TRUNCATED VEGF-D AND USES THEREOF
FILE REFERENCE: ACHEN et al-1064-44660
CURRENT APPLICATION NUMBER: US/09/469,186
CURRENT FILING DATE: 1999-12-21
EARLIER APPLICATION NUMBER: 60/113,254
EARLIER FILING DATE: 1998-12-21
EARLIER APPLICATION NUMBER: 60/134,556
EARLIER FILING DATE: 1999-05-17
NUMBER OF SEQ ID NOS: 1
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 109
TYPE: PRT
ORGANISM: Homo sapiens
US-09-469-186-1

Query Match      13.8%; Score 102; DB 4; Length 109;
Best Local Similarity 28.7%; Pred. No. 0.00017;
Matches 31; Conservative 16; Mismatches 37; Indels 24; Gaps 5;

QY 25 LNDKARYSCTPRNTSVNIREEL-KLVNVFFPRLVORCGNGCGGVNMRSCGNSG 83
DB 10 IDEMQRTQCSPRETCVEVASLGTITFFKPCVNVFRCGCC-----NEESLICMNT 64
```

OY 84 KT--VKXHEV--LQEPGHIKRRGRAKTMALVDIOLDHHERCDCI 125  
Db 65 STSVISKOLFELISVPLTSVP-----ELVPKAVNHTGCKCL 100

## RESULT 15

US-08-469-427A-2  
; Sequence 2, Application US/08469427A  
; Patent No. 5607918  
; GENERAL INFORMATION:  
; APPLICANT: Eriksson, Ulf  
; APPLICANT: Olofsson, Birgitta  
; APPLICANT: Allitalo, Kari  
; APPLICANT: Pajusola, Katri  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
; TITLE OF INVENTION: DNA CODING THEREFOR  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan  
; STREET: 1200 G Street, N.W., Suite 700  
; CITY: Washington  
; STATE: DC  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/469,427A  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/397,651  
; FILING DATE: 01-MAR-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Evans, Joseph D  
; REGISTRATION NUMBER: 26,269  
; REFERENCE/DOCKET NUMBER: 41979CP2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 628-8800  
; TELEFAX: (202) 628-8844  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 102 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; TISSUE TYPE: mouse embryo  
; US-08-469-427A-2

Query Match 13.0%; Score 95.5; DB 1; Length 102;

Best Local Similarity 27.9%; Pred. No. 0.00091;  
Matches 29; Conservative 16; Mismatches 38; Indels 21; Gaps 5;

OY 31 RSCPTFRNYSVNIRELKLANV--FPFCLLVORCGNGCGCTVMNRSGTCNSGRTYK 88  
Db 13 RACQPREVYVPLSMEL-MGNVVKQLVPSCVYORCG--GCCPDGLEGCVPTGQHVRK 68  
OY 89 YHEVLOEPGHIKRRGRAKTMALVDIOLDHHERCDICSSRPPR 132  
Db 69 QILMIQY-----PSSQLGEMSLERHSQCCE----RPKK 97

Search completed: June 11, 2003, 08:03:30  
Job time : 15.125 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 11, 2003, 08:02:15 ; Search time 21.5417 Seconds  
(without alignments)  
632.621 Million cell updates/sec

Title: US-09-662-783-4  
Perfect score: 737  
Sequence: 1 MYDTPRYGRGRSYHDKRSKY.....DIQLDHERGDCICSSNPR 132

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 392085 seqs, 103240269 residues

Total number of hits satisfying chosen parameters: 392085

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Published\_Applications\_AA:\*  
1: /cgn2\_6/ptodata/1/pubppaa/US08\_NEW\_PUB pep:\*  
2: /cgn2\_6/ptodata/1/pubppaa/PTCT\_NEW\_PUB pep:\*  
3: /cgn2\_6/ptodata/1/pubppaa/US06\_NEW\_PUB pep:\*  
4: /cgn2\_6/ptodata/1/pubppaa/US06\_PUBCOMB pep:\*  
5: /cgn2\_6/ptodata/1/pubppaa/US07\_NEW\_PUB pep:\*  
6: /cgn2\_6/ptodata/1/pubppaa/US07\_PUBCOMB pep:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	737	100.0	322	9 US-10-086-623-6	Sequence 6, Appli
2	737	100.0	322	9 US-10-260-539-6	Sequence 186, App
3	737	100.0	364	9 US-10-028-072-186	Sequence 186, App
4	737	100.0	364	9 US-10-121-049-186	Sequence 186, App
5	737	100.0	364	9 US-10-123-904-186	Sequence 186, App
6	737	100.0	364	9 US-10-140-470-186	Sequence 186, App
7	737	100.0	364	9 US-10-175-746-186	Sequence 186, App
8	737	100.0	364	9 US-10-176-918-186	Sequence 186, App
9	737	100.0	364	9 US-10-176-921-186	Sequence 186, App
10	737	100.0	364	9 US-10-137-865-186	Sequence 186, App
11	737	100.0	364	9 US-10-140-474-186	Sequence 186, App
12	737	100.0	364	9 US-10-142-431-186	Sequence 186, App
13	737	100.0	364	9 US-10-143-114-186	Sequence 186, App
14	737	100.0	364	9 US-10-140-002-186	Sequence 186, App
15	737	100.0	364	9 US-10-142-419-186	Sequence 186, App
16	737	100.0	364	9 US-10-123-262-186	Sequence 186, App
17	737	100.0	364	9 US-10-124-817-186	Sequence 186, App
18	737	100.0	364	9 US-10-121-050-186	Sequence 186, App
19	737	100.0	364	9 US-10-141-755-186	Sequence 186, App

20	737	100.0	364	9 US-10-143-032-186	Sequence 186, App
21	737	100.0	364	9 US-10-123-108-186	Sequence 186, App
22	737	100.0	364	9 US-10-123-236-186	Sequence 186, App
23	737	100.0	364	9 US-10-123-261-186	Sequence 186, App
24	737	100.0	364	9 US-10-140-921-186	Sequence 186, App
25	737	100.0	364	9 US-10-140-928-186	Sequence 186, App
26	737	100.0	364	9 US-10-121-045-186	Sequence 186, App
27	737	100.0	364	9 US-10-123-922-186	Sequence 186, App
28	737	100.0	364	9 US-10-123-903-186	Sequence 186, App
29	737	100.0	364	9 US-10-124-819-186	Sequence 186, App
30	737	100.0	364	9 US-10-124-822-186	Sequence 186, App
31	737	100.0	364	9 US-10-140-925-186	Sequence 186, App
32	737	100.0	364	9 US-10-160-498-186	Sequence 186, App
33	737	100.0	364	9 US-10-121-041-186	Sequence 186, App
34	737	100.0	364	9 US-10-121-043-186	Sequence 186, App
35	737	100.0	364	9 US-10-121-047-186	Sequence 186, App
36	737	100.0	364	9 US-10-123-215-186	Sequence 186, App
37	737	100.0	364	9 US-10-123-902-186	Sequence 186, App
38	737	100.0	364	9 US-10-123-908-186	Sequence 186, App
39	737	100.0	364	9 US-10-123-909-186	Sequence 186, App
40	737	100.0	364	9 US-10-123-910-186	Sequence 186, App
41	737	100.0	364	9 US-10-124-813-186	Sequence 186, App
42	737	100.0	364	9 US-10-124-817-186	Sequence 186, App
43	737	100.0	364	9 US-10-124-824-186	Sequence 186, App
44	737	100.0	364	9 US-10-125-922-186	Sequence 186, App
45	737	100.0	364	9 US-10-125-924-186	Sequence 186, App

#### ALIGNMENTS

RESULT 1  
US-10-086-623-6  
Sequence 6, Application US/10086623  
Patent No. US20020164710A1  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: BASE, Karin  
APPLICANT: LI, Xuri  
APPLICANT: POTTER, Annika  
APPLICANT: UOTELA, Marko  
APPLICANT: ALITALO, Karl  
APPLICANT: OESTMAN, Arne  
APPLICANT: HEDDIN, Carl-Henrik  
TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES  
FILE REFERENCE: 1064/44833C2  
CURRENT APPLICATION NUMBER: US/10/086,623  
PRIOR FILING DATE: 2000-03-04  
PRIOR APPLICATION NUMBER: US 60/107,852  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: US 60/113,997  
PRIOR FILING DATE: 1998-12-28  
PRIOR APPLICATION NUMBER: US 60/150,604  
PRIOR FILING DATE: 1999-08-26  
PRIOR APPLICATION NUMBER: US 60/157,108  
PRIOR FILING DATE: 1999-10-04  
PRIOR APPLICATION NUMBER: US 60/157,756  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: US 09/438,046  
PRIOR FILING DATE: 1999-11-10  
PRIOR APPLICATION NUMBER: US 09/691,200  
PRIOR FILING DATE: 2000-10-19  
NUMBER OF SEQ ID NOS: 42  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 6  
LENGTH: 322  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-086-623-6  
Query Match 100.0%; Score 737; DB 9; Length 322;  
Best Local Similarity 100.0%; Pred. No. 6, 2e-69;  
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MYLDTPRRGSHYDRKSKYDLRLNDADAKRYSTCPRTSYVNIIEELKLANVFFPCLL 60
Db      191 MYLDTPRRGSHYDRKSKYDLRLNDADAKRYSTCPRTSYVNIIEELKLANVFFPCLL 250

QY      61 VORCGNGCGCTVWNRSCCTNSGKTVKKYHEVLOFEPGHIKRRRAKTMALVLDIOLDHHE 120
Db      251 VORCGNGCGCTVWNRSCCTNSGKTVKKYHEVLOFEPGHIKRRRAKTMALVLDIOLDHHE 310

QY      121 RCDICSSRPPR 132
Db      311 RCDICSSRPPR 322

RESULT 2
US-10-260-539-6
; Sequence 6, Application US/10260539
; Publication No. US20030073637A1
; GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: AASE, Karl
;   APPLICANT: LI, Xuri
;   APPLICANT: PONTEN, Annica
;   APPLICANT: UTELA, Marko
;   APPLICANT: ALITALO, Karl
;   APPLICANT: OESTMAN, Arne
;   APPLICANT: HELDIN, Carl-Henrik
; TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES THEREOF
; FILE REFERENCE: 1064/44833C2
; CURRENT FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: US/10/086,623
; PRIOR FILING DATE: 2000-03-04
; PRIOR APPLICATION NUMBER: US 60/107,852
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 60/113,997
; PRIOR FILING DATE: 1998-12-28
; PRIOR APPLICATION NUMBER: US 60/150,604
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: US 60/157,108
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: US 60/157,756
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: US 09/438,046
; PRIOR FILING DATE: 1999-11-10
; PRIOR APPLICATION NUMBER: US 09/691,200
; PRIOR FILING DATE: 2000-10-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 322
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-260-539-6

Query Match      100.0%; Score 737; DB 9; Length 322;
Best Local Similarity 100.0%; Pred. No. 6,2e-69;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MYLDTPRRGSHYDRKSKYDLRLNDADAKRYSTCPRTSYVNIIEELKLANVFFPCLL 60
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QY      61 VORCGNGCGCTVWNRSCCTNSGKTVKKYHEVLOFEPGHIKRRRAKTMALVLDIOLDHHE 120
Db      251 VORCGNGCGCTVWNRSCCTNSGKTVKKYHEVLOFEPGHIKRRRAKTMALVLDIOLDHHE 310

QY      121 RCDICSSRPPR 132
Db      311 RCDICSSRPPR 322

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US-10-028-072-186
Sequence 186, Application US/10028072
Publication No. US2003000431A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang

TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028, 072
CURRENT FILING DATE: 2001-12-19
PRIORITY APPLICATION NUMBER: 60/049911
PRIORITY FILING DATE: 1997-06-18
PRIORITY APPLICATION NUMBER: 60/056974
PRIORITY FILING DATE: 1997-08-26
PRIORITY APPLICATION NUMBER: 60/059113
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PRIORITY FILING DATE: 1997-10-24
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PRIORITY FILING DATE: 1997-10-28
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PRIORITY FILING DATE: 1997-10-28
PRIORITY APPLICATION NUMBER: 60/063704
PRIORITY FILING DATE: 1997-10-29

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PRIOR APPLICATION NUMBER: 60/063733  
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PRIOR FILING DATE: 1997-10-17  
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PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: 60/065186  
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PRIOR FILING DATE: 1997-11-17  
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PRIOR FILING DATE: 1998-04-28  
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PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084627  
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PRIOR APPLICATION NUMBER: 60/085149  
PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
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PRIOR FILING DATE: 1998-05-28  
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PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088730  
PRIOR FILING DATE: 1998-06-10  
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PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07

Query Match 100.0%; Score 737; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 7.2e-69; Indels 0; Gaps 0;  
Matches 132; Conservative 0; Mismatches 0;

Qy 1 MYLDPYRGSRYSYDRKSKVLDLNDADAKRYSCPTPRYSVNIKEELKLANVFFPCIL 60  
Db 233 MYLDPYRGSRYSYDRKSKVLDLNDADAKRYSCPTPRYSVNIKEELKLANVFFPCIL 292  
Qy 61 VORCGNCGCTVMWRSCTCNSGKTYYKHEVLOFEGHKKRRGRATMALVDTQLDHE 120  
Db 293 VORCGNCGCTVMWRSCTCNSGKTYYKHEVLOFEGHKKRRGRATMALVDTQLDHE 352  
Qy 121 RCDICSSRPPR 132  
Db 353 RCDICSSRPPR 364

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RESULT 4
US-10-121-049-186
; Sequence 186, Application US/10121049
; Publication No. US2003002239A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C17
; CURRENT APPLICATION NUMBER: US/10/121,049
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-049-186

Query Match          100.0%; Score 737; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.2e-69;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYLDPYRGRSYHDKRSKVDLRLNDARKYSTCPNYSVNIREEIKLANVFFPRLCL 60
    |||||||
DB 233 MYLDPYRGRSYHDKRSKVDLRLNDARKYSTCPNYSVNIREEIKLANVFFPRLCL 292

QY 61 VORCGNGCGGTVMNRSCNCGKTYKKEHVLFEPGHIKRGRAKTMALVDIQDHE 120
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DB 293 VORCGNGCGGTVMNRSCNCGKTYKKEHVLFEPGHIKRGRAKTMALVDIQDHE 352

QY 121 RCDCICSSRPPR 132
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DB 353 RCDCICSSRPPR 364

RESULT 5
US-10-123-904-186
; Sequence 186, Application US/10123904
; Publication No. US20030022328A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
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; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C54
; CURRENT APPLICATION NUMBER: US/10/123,904
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-904-186

Query Match          100.0%; Score 737; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.2e-69;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYLDPYRGRSYHDKRSKVDLRLNDARKYSTCPNYSVNIREEIKLANVFFPRLCL 60
    |||||||
DB 233 MYLDPYRGRSYHDKRSKVDLRLNDARKYSTCPNYSVNIREEIKLANVFFPRLCL 292

QY 61 VORCGNGCGGTVMNRSCNCGKTYKKEHVLFEPGHIKRGRAKTMALVDIQDHE 120
    |||||||
DB 293 VORCGNGCGGTVMNRSCNCGKTYKKEHVLFEPGHIKRGRAKTMALVDIQDHE 352

QY 121 RCDCICSSRPPR 132
    |||||||
DB 353 RCDCICSSRPPR 364

RESULT 6
US-10-140-470-186
; Sequence 186, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C160
; CURRENT APPLICATION NUMBER: US/10/140,470
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-470-186

Query Match          100.0%; Score 737; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.2e-69;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYLDPYRGRSYHDKRSKVDLRLNDARKYSTCPNYSVNIREEIKLANVFFPRLCL 60
    |||||||
DB 233 MYLDPYRGRSYHDKRSKVDLRLNDARKYSTCPNYSVNIREEIKLANVFFPRLCL 292
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OY      61  VORCGNCGCGVNMRSCTCNSGKTVKKYHEVLOPEPHIKRGRAKTMALVDIQDHH 120
         |||||||
Db      293  VORCGNCGCGVNMRSCTCNSGKTVKKYHEVLOPEPHIKRGRAKTMALVDIQDHH 352

OY      121  RDCICSSRPPR 132
         |||||||
Db      353  RDCICSSRPPR 364

RESULT 7
US-10-175-746-186
; Sequence 186, Application US/10175746
; Publication No. US20030027270A1
GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; APPLICANT: Ziemlin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C353
CURRENT APPLICATION NUMBER: US/10/175,746
PRIORITY FILING DATE: 2002-06-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 186
LENGTH: 364
TYPE: PRT
ORGANISM: Homo Sapien
US-10-175-746-186

Query Match      100.0%; Score 737; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.2e-69;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0

OY      1  MYLDPRRRGSRGSHDRKSKVDLDRINDDAKRRSCTPRNRSVNIREEIKLANVFFPRCLL 60
Db      233  MYLDPRRRGSRGSHDRKSKVDLDRINDDAKRRSCTPRNRSVNIREEIKLANVFFPRCLL 292

OY      61  VORCGNCGCGVNMRSCTCNSGKTVKKYHEVLOPEPHIKRGRAKTMALVDIQDHH 120
         |||||||
Db      293  VORCGNCGCGVNMRSCTCNSGKTVKKYHEVLOPEPHIKRGRAKTMALVDIQDHH 352

OY      121  RDCICSSRPPR 132
         |||||||
Db      353  RDCICSSRPPR 364

RESULT 8
US-10-176-918-186
; Sequence 186, Application US/10176918
; Publication No. US20030027275A1
GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang

```

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APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhenli
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C382
CURRENT APPLICATION NUMBER: US/10/176,918
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 186
LENGTH: 364
TYPE: PRT
ORGANISM: Homo Sapien
US-10-176-918-186

Query Match 100.0%; Score 737; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.2e-69;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY 1 MYLTPRRGRGSHYHDKSKKVDLDRNDACKRYSCTPRNYSVNIREEKLNAVFFPRCL 60
DB 233 MYLTPRRGRGSHYHDKSKKVDLDRNDACKRYSCTPRNYSVNIREEKLNAVFFPRCL 292
QY 61 VORCGNGCGCTVMNRSCCTNSGKTVKKYHEVLOFEPGHIKRGRAKTALVDIOLDHNE 120
DB 293 VORCGNGCGCTVMNRSCCTNSGKTVKKYHEVLOFEPGHIKRGRAKTALVDIOLDHNE 352
QY 121 RCDCTCSSRPPR 132
DB 353 RCDCTCSSRPPR 364

RESULT 9
US-10-176-921-186
Sequence 186, Application US/10176921
Publication No. US20030027276a1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhenli
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C288
CURRENT APPLICATION NUMBER: US/10/176,921
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 186
LENGTH: 364
TYPE: PRT

```

ORGANISM: Homo Saplen  
US-10-176-921-186

Query Match 100.0%; Score 737; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 7.2e-69;  
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYDTPRYGRSYHDKRSKYDLDRLNDADKRYSCPTPRNYSVNIREEKLKLANVFFRCLL 60  
DB 233 MYDTPRYGRSYHDKRSKYDLDRLNDADKRYSCPTPRNYSVNIREEKLKLANVFFRCLL 292  
QY 61 VORCGNCGCGTYVNMBSCTCNSGKTYKKYHEVLQEPGHIKRRGAKTALVDIQLDHE 120  
DB 293 VORCGNCGCGTYVNMBSCTCNSGKTYKKYHEVLQEPGHIKRRGAKTALVDIQLDHE 352  
QY 121 RCDICSSRPPR 132  
DB 353 RCDICSSRPPR 364

## RESULT 10

US-10-137-865-186  
; Sequence 186, Application US/10137865  
; Publication No. US2003003215A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Fillvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C154  
; CURRENT APPLICATION NUMBER: US/10/137,865  
; CURRENT FILING DATE: 2002-05-03  
; Prior Application removed - See Palm or File Wrapper  
; NUMBER OF SEQ ID NOS: 350  
; SEQ ID NO 186  
; LENGTH: 364  
; TYPE: PRT  
; ORGANISM: Homo Saplen  
US-10-137-865-186

Query Match 100.0%; Score 737; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 7.2e-69;  
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYDTPRYGRSYHDKRSKYDLDRLNDADKRYSCPTPRNYSVNIREEKLKLANVFFRCLL 60  
DB 233 MYDTPRYGRSYHDKRSKYDLDRLNDADKRYSCPTPRNYSVNIREEKLKLANVFFRCLL 292  
QY 61 VORCGNCGCGTYVNMBSCTCNSGKTYKKYHEVLQEPGHIKRRGAKTALVDIQLDHE 120  
DB 293 VORCGNCGCGTYVNMBSCTCNSGKTYKKYHEVLQEPGHIKRRGAKTALVDIQLDHE 352  
QY 121 RCDICSSRPPR 132  
DB 353 RCDICSSRPPR 364

## RESULT 11

US-10-140-474-186  
; Sequence 186, Application US/10140474  
; Publication No. US2003003215A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Fillvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

US-10-142-431-186  
; Sequence 186, Application US/10142431  
; Publication No. US20030036179A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Fillvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

Query Match 100.0%; Score 737; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 7.2e-69;  
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYDTPRYGRSYHDKRSKYDLDRLNDADKRYSCPTPRNYSVNIREEKLKLANVFFRCLL 60  
DB 233 MYDTPRYGRSYHDKRSKYDLDRLNDADKRYSCPTPRNYSVNIREEKLKLANVFFRCLL 292  
QY 61 VORCGNCGCGTYVNMBSCTCNSGKTYKKYHEVLQEPGHIKRRGAKTALVDIQLDHE 120  
DB 293 VORCGNCGCGTYVNMBSCTCNSGKTYKKYHEVLQEPGHIKRRGAKTALVDIQLDHE 352  
QY 121 RCDICSSRPPR 132  
DB 353 RCDICSSRPPR 364

US-10-142-431-186  
; Sequence 186, Application US/10142431  
; Publication No. US20030036179A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Fillvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE OF INVENTION: ACIDS ENCODING THE SAME  
;; FILE REFERENCE: P33081C251  
;; CURRENT APPLICATION NUMBER: US/10/142,431  
;; CURRENT FILING DATE: 2002-05-10  
;; Prior Application removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 550  
;; SEQ ID NO 186  
;; LENGTH: 364  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-142-431-186

Query Match  
Best Local Similarity: 100.0%; Score 737; DB 9; Length 364;  
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYLDPYRGRSYHDKRSKYDLRLNDARKYSCPTPRNYSVNIREEELKANVFFPCLL 60  
DB 233 MYLDPYRGRSYHDKRSKYDLRLNDARKYSCPTPRNYSVNIREEELKANVFFPCLL 292  
QY 61 VORCGNCGGTVMRSCCTNSGKTVKKYHEVLOFEBGHIKRRGRATMALVLDIQLDHE 120  
DB 293 VORCGNCGGTVMRSCCTNSGKTVKKYHEVLOFEBGHIKRRGRATMALVLDIQLDHE 352  
QY 121 RCDICSSRPPR 132  
DB 353 RCDICSSRPPR 364

RESULT 13  
US-10-143-114-186  
;; Sequence 186, Application US/10143114  
;; Publication No. US20030036180A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Beresini, Maureen  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Filvaroff, Ellen  
;; APPLICANT: Gao, Wei-Qiang  
;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Sherwood, Steven  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K  
;; APPLICANT: Wood, William  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE OF INVENTION: ACIDS ENCODING THE SAME  
;; FILE REFERENCE: P33081C211  
;; CURRENT APPLICATION NUMBER: US/10/143, 114  
;; CURRENT FILING DATE: 2002-05-09  
;; Prior Application removed - See Palm or File Wrapper  
;; NUMBER OF SEQ ID NOS: 550  
;; SEQ ID NO 186  
;; LENGTH: 364  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-143-114-186

Query Match  
Best Local Similarity: 100.0%; Score 737; DB 9; Length 364;  
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYLDPYRGRSYHDKRSKYDLRLNDARKYSCPTPRNYSVNIREEELKANVFFPCLL 60  
DB 233 MYLDPYRGRSYHDKRSKYDLRLNDARKYSCPTPRNYSVNIREEELKANVFFPCLL 292

QY 61 VORCGNCGGTVMRSCCTNSGKTVKKYHEVLOFEBGHIKRRGRATMALVLDIQLDHE 120  
DB 293 VORCGNCGGTVMRSCCTNSGKTVKKYHEVLOFEBGHIKRRGRATMALVLDIQLDHE 352  
QY 121 RCDICSSRPPR 132  
DB 353 RCDICSSRPPR 364

RESULT 14  
US-10-140-002-186  
;; Sequence 186, Application US/10140002  
;; Publication No. US20030037623A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Beresini, Maureen  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Filvaroff, Ellen  
;; APPLICANT: Gao, Wei-Qiang  
;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Sherwood, Steven  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K  
;; APPLICANT: Wood, William  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE OF INVENTION: ACIDS ENCODING THE SAME  
;; FILE REFERENCE: P33081C59  
;; CURRENT APPLICATION NUMBER: US/10/140, 002  
;; CURRENT FILING DATE: 2002-05-06  
;; Prior Application removed - See Palm or File Wrapper  
;; NUMBER OF SEQ ID NOS: 550  
;; SEQ ID NO 186  
;; LENGTH: 364  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-140-002-186

Query Match  
Best Local Similarity: 100.0%; Score 737; DB 9; Length 364;  
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYLDPYRGRSYHDKRSKYDLRLNDARKYSCPTPRNYSVNIREEELKANVFFPCLL 60  
DB 233 MYLDPYRGRSYHDKRSKYDLRLNDARKYSCPTPRNYSVNIREEELKANVFFPCLL 292  
QY 61 VORCGNCGGTVMRSCCTNSGKTVKKYHEVLOFEBGHIKRRGRATMALVLDIQLDHE 120  
DB 293 VORCGNCGGTVMRSCCTNSGKTVKKYHEVLOFEBGHIKRRGRATMALVLDIQLDHE 352  
QY 121 RCDICSSRPPR 132  
DB 353 RCDICSSRPPR 364

RESULT 15  
US-10-142-419-186  
;; Sequence 186, Application US/10142419  
;; Publication No. US2003004945A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Beresini, Maureen  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Filvaroff, Ellen  
;; APPLICANT: Gao, Wei-Qiang  
;; APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Thomas, Daniel  
APPLICANT: Watanabe, Collin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C244  
CURRENT APPLICATION NUMBER: US/10/142,419  
CURRENT FILING DATE: 2002-05-10  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 186  
LENGTH: 364  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-142-419-186

Query Match 100.0%; Score 737; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 7.2e-69;  
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MYLDTPRYRGRSYHDKSKYDLDRINDAKRYSCPTPRNYSVNIREEKLNAVVFPRCL 60  
DB 233 MYLDTPRYRGRSYHDKSKYDLDRINDAKRYSCPTPRNYSVNIREEKLNAVVFPRCL 292  
QY 61 VORGGNGCGGTYVWNSCTNSGKTYKKYHEVLQFEPGHIRKRGAKTMALVDIQLDHE 120  
DB 293 VORGGNGCGGTYVWNSCTNSGKTYKKYHEVLQFEPGHIRKRGAKTMALVDIQLDHE 352  
QY 121 RCDICSSRPPR 132  
DB 353 RCDICSSRPPR 364

Search completed: June 11, 2003, 08:16:59  
Job time : 22.5417 secs



FILE REFERENCE: 00-28  
CURRENT APPLICATION NUMBER: US/09/540,224  
CURRENT FILING DATE: 2000-03-31  
EARLIER APPLICATION NUMBER: US 60/180,169  
EARLIER FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 370  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-540-224-2

Query Match  
Best Local Similarity 100.0%; Score 691; DB 4; Length 370;  
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGSYHDKRSKVDLRLNDADAKRYSCPTPRNYSVNIREEKLNAVVFPPCLLVORCGGNC 60  
DB 247 RGSYHDKRSKVDLRLNDADAKRYSCPTPRNYSVNIREEKLNAVVFPPCLLVORCGGNC 306  
QY 61 GCCTVMNRSCSTCNSGKTVKKYHEVLOFEPGHIKRRGRAKTMALVDIOLDHHERCDICSS 120  
DB 307 GCCTVMNRSCSTCNSGKTVKKYHEVLOFEPGHIKRRGRAKTMALVDIOLDHHERCDICSS 366  
QY 121 RPPR 124  
DB 367 RPPR 370

RESULT 3  
US-09-540-224-4  
Sequence 4, Application US/09540224  
Patent No. 6468543  
GENERAL INFORMATION:  
APPLICANT: Gilbertson, Debra G.  
APPLICANT: Hart, Charles E.  
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,  
FILE REFERENCE: 00-28  
CURRENT APPLICATION NUMBER: US/09/540,224  
CURRENT FILING DATE: 2000-03-31  
EARLIER APPLICATION NUMBER: US 60/180,169  
EARLIER FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 4  
LENGTH: 370  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-540-224-4

Query Match  
Best Local Similarity 93.8%; Score 648; DB 4; Length 370;  
Matches 113; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 1 RGSYHDKRSKVDLRLNDADAKRYSCPTPRNYSVNIREEKLNAVVFPPCLLVORCGGNC 60  
DB 247 RGSYHDKRSKVDLRLNDADAKRYSCPTPRNYSVNIREEKLNAVVFPPCLLVORCGGNC 306  
QY 61 GCCTVMNRSCSTCNSGKTVKKYHEVLOFEPGHIKRRGRAKTMALVDIOLDHHERCDICSS 120  
DB 307 GCCTVMNRSCSTCNSGKTVKKYHEVLOFEPGHIKRRGRAKTMALVDIOLDHHERCDICSS 366  
QY 121 RPPR 124  
DB 367 RPPR 370

RESULT 4  
US-09-040-220D-2  
Sequence 2, Application US/09040220D  
Patent No. 6391311

GENERAL INFORMATION:  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Kuo, Sophia S.  
TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR  
TITLE OF INVENTION: ENDOTHELIAL CELL GROWTH FACTOR AND BONE MORPHOGENETIC  
TITLE OF INVENTION: PROTEIN 1 AND NUCLEIC ACIDS ENCODING SAME, THEIR USES,  
FILE REFERENCE: P1122  
CURRENT APPLICATION NUMBER: US/09/040,220D  
CURRENT FILING DATE: 1998-03-17  
NUMBER OF SEQ ID NOS: 8  
SEQ ID NO 2  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Human  
US-09-040-220D-2

Query Match  
Best Local Similarity 46.9%; Score 324; DB 4; Length 345;  
Matches 60; Conservative 15; Mismatches 33; Indels 4; Gaps 2;

QY 8 RSK-VDLRLNDADAKRYSCPTPRNYSVNIREEKLNAVVFPPCLLVORCGGCGTVN 66  
DB 231 RSKRVVDLNLTEEVRLYSCPTPRNYSVNIREEKLRTDTTFWPCCLLVKRCGGACCLLN 290  
QY 67 WRSCCTCNSGKTVKKYHEVLOFEPGHIKRRGRAKTMALVDIOLDHHERCDIC 118  
DB 291 CNECQCVPSKVTYKHYHEVLDLR--KTGVRGLHKSITDVALHHEHCDCVC 339

RESULT 5  
US-09-457-066-2  
Sequence 2, Application US/09457066  
Patent No. 6432673  
GENERAL INFORMATION:  
APPLICANT: Gao, Zeren  
APPLICANT: Hart, Charles E.  
APPLICANT: Piddington, Christopher S.  
APPLICANT: Sheppard, Paul O.  
APPLICANT: Shoemaker, Kimberly E.  
APPLICANT: Gilbertson, Debra G.  
TITLE OF INVENTION: GROWTH FACTOR HOMOLOGY ZVEGFS  
FILE REFERENCE: 98-60  
CURRENT APPLICATION NUMBER: US/09/457,066  
CURRENT FILING DATE: 1999-12-07  
NUMBER OF SEQ ID NOS: 50  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-457-066-2

Query Match  
Best Local Similarity 46.9%; Score 324; DB 4; Length 345;  
Matches 60; Conservative 15; Mismatches 33; Indels 4; Gaps 2;

QY 8 RSK-VDLRLNDADAKRYSCPTPRNYSVNIREEKLNAVVFPPCLLVORCGGCGTVN 66  
DB 231 RSKRVVDLNLTEEVRLYSCPTPRNYSVNIREEKLRTDTTFWPCCLLVKRCGGACCLLN 290  
QY 67 WRSCCTCNSGKTVKKYHEVLOFEPGHIKRRGRAKTMALVDIOLDHHERCDIC 118  
DB 291 CNECQCVPSKVTYKHYHEVLDLR--KTGVRGLHKSITDVALHHEHCDCVC 339

RESULT 6  
US-09-265-686-2  
Sequence 2, Application US/09265686  
Patent No. 6455283  
GENERAL INFORMATION:  
APPLICANT: Ferrara, Napoleone



APPLICANT: Kuo, Sophia S.  
TITLE OF INVENTION: POLYPEPTIDES HOMOLOGOUS TO VEGF AND BMP1  
FILE REFERENCE: P1122P2  
CURRENT APPLICATION NUMBER: US/09/265,686  
CURRENT FILING DATE: 1999-03-10  
PRIOR APPLICATION NUMBER: US 09/040,220  
PRIOR FILING DATE: 1998-03-17  
PRIOR APPLICATION NUMBER: US 09/184,216  
PRIOR FILING DATE: 1998-11-02  
NUMBER OF SEQ ID NOS: 8  
SEQ ID NO 2  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Human  
US-09-265-686-2

Query Match 46.9%; Score 324; DB 4; Length 345;  
Best Local Similarity 53.6%; Pred. No. 1.6e-29;  
Matches 60; Conservative 15; Mismatches 33; Indels 4; Gaps 2;

QY 8 RKSK-VDLDRNDARKYSTPRNYSVNIREEELKLANVVEFPRLVYORCGGCGCTVN 66  
DB 231 RKSRVVDNLITVEVRLYSTPRNFSVSIREELKRTDTITWPGCLLVKRCGCACCLHN 290  
QY 67 WRSCCTNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHERCJCIC 118  
DB 291 CNEGCQVPSKYTKYKHEVLQLRP---KTGYRGLHKSLTDVALHHEHCDCVC 339

RESULT 7  
US-09-540-224-5  
Sequence 5, Application US/09540224  
Patent No. 6468543  
GENERAL INFORMATION:  
APPLICANT: Gilbertson, Debra G.  
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,  
TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4  
FILE REFERENCE: 00-28  
CURRENT APPLICATION NUMBER: US/09/540,224  
CURRENT FILING DATE: 2000-03-31  
EARLIER APPLICATION NUMBER: US 60/180,169  
EARLIER FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 5  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-540-224-5

Query Match 46.9%; Score 324; DB 4; Length 345;  
Best Local Similarity 53.6%; Pred. No. 1.6e-29;  
Matches 60; Conservative 15; Mismatches 33; Indels 4; Gaps 2;

QY 8 RKSK-VDLDRNDARKYSTPRNYSVNIREEELKLANVVEFPRLVYORCGGCGCTVN 66  
DB 231 RKSRVVDNLITVEVRLYSTPRNFSVSIREELKRTDTITWPGCLLVKRCGCACCLHN 290  
QY 67 WRSCCTNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHERCJCIC 118  
DB 291 CNEGCQVPSKYTKYKHEVLQLRP---KTGYRGLHKSLTDVALHHEHCDCVC 339

RESULT 8  
US-09-457-066-43  
Sequence 43, Application US/09457066  
Patent No. 6432673  
GENERAL INFORMATION:  
APPLICANT: Gao, Zeren  
APPLICANT: Hart, Charles E.  
APPLICANT: Piddington, Christopher S.  
APPLICANT: Sheppard, Paul O.

APPLICANT: Shoemaker, Kimberly E.  
APPLICANT: Gilbertson, Debra G.  
APPLICANT: West, James W.  
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3  
FILE REFERENCE: 98-60  
CURRENT APPLICATION NUMBER: US/09/457,066  
CURRENT FILING DATE: 1999-12-07  
NUMBER OF SEQ ID NOS: 50  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 43  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-457-066-43

Query Match 46.2%; Score 319.5; DB 4; Length 345;  
Best Local Similarity 50.4%; Pred. No. 5.3e-29;  
Matches 60; Conservative 20; Mismatches 34; Indels 5; Gaps 3;

QY 2 GRKY-HDKSK-VDLDRNDARKYSTPRNYSVNIREEELKLANVVEFPRLVYORCGG 59  
DB 224 GKAFLYGKSKSVNVLNLTKEVRLYSTPRNFSVSIREELKRTDTITWPGCLLVKRCGN 283  
QY 60 CGGTVWRSCCTNSGKTVKKYHEVLQFEPGHIKRRGRAKTMALVDIQLDHERCJCIC 118  
DB 284 CACCLHNCNEGCQVPSKYTKYKHEVLQLRP---KTGYRGLHKSLTDVALHHEHCDCVC 339

RESULT 9  
US-09-540-224-9  
Sequence 9, Application US/09540224  
Patent No. 6468543  
GENERAL INFORMATION:  
APPLICANT: Gilbertson, Debra G.  
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,  
TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4  
FILE REFERENCE: 00-28  
CURRENT APPLICATION NUMBER: US/09/540,224  
CURRENT FILING DATE: 2000-03-31  
EARLIER APPLICATION NUMBER: US 60/180,169  
EARLIER FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 9  
LENGTH: 24  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: peptide  
US-09-540-224-9

Query Match 17.1%; Score 118; DB 4; Length 24;  
Best Local Similarity 100.0%; Pred. No. 3.7e-07;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 87 FEPGHIKRRGRAKTMALVDIQLD 109  
DB 2 FEPGHIKRRGRAKTMALVDIQLD 24

RESULT 10  
US-09-469-186-1  
Sequence 1, Application US/09469186  
Patent No. 6383484  
GENERAL INFORMATION:  
APPLICANT: ACHEN, Marc G.  
TITLE OF INVENTION: ANTIBODIES TO TRUNCATED VEGF-D AND USES THEREOF  
FILE REFERENCE: ACHEN et al-1064-44660  
CURRENT APPLICATION NUMBER: US/09/469,186  
CURRENT FILING DATE: 1999-12-21  
EARLIER APPLICATION NUMBER: 60/113,254

EARLIER FILING DATE: 1998-12-21  
EARLIER APPLICATION NUMBER: 60/134,556  
EARLIER FILING DATE: 1999-05-17  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 1  
LENGTH: 109  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-469-186-1

Query Match 14.8%; Score 102; DB 4; Length 109;  
Best Local Similarity 28.7%; Pred. No. 0.00017;  
Matches 31; Conservative 16; Mismatches 37; Indels 24; Gaps 5;

QY 17 LNDARYSCTPRNYSVINIREEL-KLANVFFPRCLLYORCGGCGGTVMRSCCTCNSG 75  
DB 10 IDEMORTQCSPRETEVEVASELKGSTNFFKPCVNVFRGCGCC-----NESSLICMNT 64  
QY 76 KT--VKYHEV---LQEPGHIKRRGRKATMALVDIOLDHERDCDI 117  
DB 65 STSYISKQLEFISVPLTSVP-----ELVPEVKVANHNGCKCL 100

## RESULT 11

US-08-915-795-3  
Sequence 3, Application US/08915795  
Patent No. 6235713

## GENERAL INFORMATION:

APPLICANT: Marc G. ACHEN  
APPLICANT: Andrew F. WILKS  
APPLICANT: Steven A. STACKER  
APPLICANT: Kari ALITALO  
TITLE OF INVENTION: GROWTH FACTOR  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.  
STREET: 1200 G Street, NW, Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: United States of America  
ZIP: 20005

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/915,795  
FILING DATE:

## CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D.  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/42983  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
TELEX: N/A

## INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:  
LENGTH: 325 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHEICAL: NO  
ORIGINAL SOURCE:  
TISSUE TYPE: Human Breast  
US-08-915-795-3

Query Match 14.8%; Score 102; DB 4; Length 325;  
Best Local Similarity 28.7%; Pred. No. 0.00063;

Matches 31; Conservative 16; Mismatches 37; Indels 24; Gaps 5;

QY 17 LNDARYSCTPRNYSVINIREEL-KLANVFFPRCLLYORCGGCGGTVMRSCCTCNSG 75  
DB 73 IDEMORTQCSPRETEVEVASELKGSTNFFKPCVNVFRGCGCC-----NESSLICMNT 127  
QY 76 KT--VKYHEV---LQEPGHIKRRGRKATMALVDIOLDHERDCDI 117  
DB 128 STSYISKQLEFISVPLTSVP-----ELVPEVKVANHNGCKCL 163

## RESULT 12

US-08-915-795-5  
Sequence 5, Application US/08915795  
Patent No. 6235713

## GENERAL INFORMATION:

APPLICANT: Marc G. ACHEN  
APPLICANT: Andrew F. WILKS  
APPLICANT: Steven A. STACKER  
APPLICANT: Kari ALITALO  
TITLE OF INVENTION: GROWTH FACTOR  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.  
STREET: 1200 G Street, NW, Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: United States of America  
ZIP: 20005

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/915,795  
FILING DATE:

## CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D.  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/42983  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
TELEX: N/A

## INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:  
LENGTH: 354 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHEICAL: NO  
ORIGINAL SOURCE:  
TISSUE TYPE: Human Lung  
US-08-915-795-5

Query Match 14.8%; Score 102; DB 4; Length 354;  
Best Local Similarity 28.7%; Pred. No. 0.0007;

Matches 31; Conservative 16; Mismatches 37; Indels 24; Gaps 5;

QY 17 LNDARYSCTPRNYSVINIREEL-KLANVFFPRCLLYORCGGCGGTVMRSCCTCNSG 75  
DB 102 IDEMORTQCSPRETEVEVASELKGSTNFFKPCVNVFRGCGCC-----NESSLICMNT 156  
QY 76 KT--VKYHEV---LQEPGHIKRRGRKATMALVDIOLDHERDCDI 117  
DB 157 STSYISKQLEFISVPLTSVP-----ELVPEVKVANHNGCKCL 192

RESULT 13  
US-08-915-795-9

Sequence 9, Application US/08915795  
Patent No. 6235713  
GENERAL INFORMATION:  
APPLICANT: Marc G. ACHEN  
APPLICANT: Andrew F. WILKS  
APPLICANT: Steven A. STACKER  
APPLICANT: Karl ALITALO  
TITLE OF INVENTION: GROWTH FACTOR  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.  
STREET: 1200 G Street, NW, Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: United States of America  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/915,795  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D.  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/42983  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 321 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE:  
TISSUE TYPE: Mouse Lung  
US-08-915-795-9

Query Match 14.7%; Score 101.5; DB 4; Length 321;  
Best Local Similarity 26.4%; Pred. No. 0.00071;  
Matches 32; Conservative 21; Mismatches 41; Indels 27; Gaps 6;

QY 4 SYHDRKSKVDLRINDAKRYSCPTPRYSVINIREEL-KLANVVFPPRCLLVQRCGNGCC 62  
Db 92 TFYDTER--LKVIDEMORTQCSPRETCVEVASELQKTNTPFKPCVNVFRGCGCC-- 146  
QY 63 GYVNRSCCTNSGKT---VKYHEV---LQFEPGHKRRGRAKTMALVDIQLDHERCDC 116  
Db 147 ---NEEGVMCMNTSTYSIKQLFEISVPLTSP-----ELVPKIANHTGCKC 191  
QY 117 I 117  
Db 192 L 192

RESULT 14  
US-08-915-795-8  
Sequence 8, Application US/08915795  
Patent No. 6235713  
GENERAL INFORMATION:  
APPLICANT: Marc G. ACHEN  
APPLICANT: Andrew F. WILKS  
APPLICANT: Steven A. STACKER  
APPLICANT: Karl ALITALO  
TITLE OF INVENTION: GROWTH FACTOR  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.  
STREET: 1200 G Street, NW, Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: United States of America  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/915,795  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D.  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/42983  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
TELEX: N/A  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 358 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE:  
TISSUE TYPE: Mouse Lung  
US-08-915-795-8

Query Match 14.7%; Score 101.5; DB 4; Length 358;  
Best Local Similarity 26.4%; Pred. No. 0.00081;  
Matches 32; Conservative 21; Mismatches 41; Indels 27; Gaps 6;

QY 4 SYHDRKSKVDLRINDAKRYSCPTPRYSVINIREEL-KLANVVFPPRCLLVQRCGNGCC 62  
Db 97 TFYDTER--LKVIDEMORTQCSPRETCVEVASELQKTNTPFKPCVNVFRGCGCC-- 151  
QY 63 GYVNRSCCTNSGKT---VKYHEV---LQFEPGHKRRGRAKTMALVDIQLDHERCDC 116  
Db 152 ---NEEGVMCMNTSTYSIKQLFEISVPLTSP-----ELVPKIANHTGCKC 196  
QY 117 I 117  
Db 197 L 197

RESULT 15  
US-08-469-427A-2  
Sequence 2, Application US/08469427A  
Patent No. 5607918  
GENERAL INFORMATION:  
APPLICANT: Eriksson, Ulf  
APPLICANT: Olofsson, Birgitta  
APPLICANT: Alitalo, Karl  
APPLICANT: Pajusola, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: United States of America  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

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SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41979CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 102 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
ORIGINAL SOURCE:
TISSUE TYPE: mouse embryo
US-08-469-427A-2

Query Match      13.8%; Score 95.5; DB 1; Length 102;
Best Local Similarity 27.9%; Pred. No. 0.00086;
Matches 29; Conservative 16; Mismatches 38; Indels 21; Gaps 5;

QY      23 RYSCPTPRNYSVNIREFELKLANVY-FPPRLVQRCGNGCGTVMNRSCCTCNSGKTVRK 80
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      13 RACQCPREYVYVPLSMEL-MGNVYKQLVPSCVTVQRCG---GCCPDGDLCEVPTGQHQVRR 68
      : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

QY      81 YHEVLPFEPGHKRRGRKAKTALVDIQLDHHEKDCICSSRPPR 124
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Db      69 QILMIQY-----PSSQLGEMSLERHSQCEC---RPRK 97
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Search completed: June 11, 2003, 08:03:28  
Job time : 15.2083 secs

GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on: June 11, 2003, 08:02:15 ; Search time 20.2361 Seconds

(Without alignments)  
632.621 Million cell updates/sec

Title: US-09-662-783-2\_COPY\_247\_370

Perfect score: 691  
Sequence: 1 RGRSYHDKRSKYDLRLND.....DIQLDHERCICSSRPFR 124Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 392085 seqs, 103240269 residues

Total number of hits satisfying chosen parameters: 392085

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Published Applications-AA:\*

- 1: /cgn2\_6/ptodata/1/pubppa/US08\_NEW\_PUB pep:\*
- 2: /cgn2\_6/ptodata/1/pubppa/PCT\_NEW\_PUB pep:\*
- 3: /cgn2\_6/ptodata/1/pubppa/US06\_NEW\_PUB pep:\*
- 4: /cgn2\_6/ptodata/1/pubppa/US06\_PUBCOMB pep:\*
- 5: /cgn2\_6/ptodata/1/pubppa/US07\_NEW\_PUB pep:\*
- 6: /cgn2\_6/ptodata/1/pubppa/US07\_PUBCOMB pep:\*
- 7: /cgn2\_6/ptodata/1/pubppa/PCUS08\_PUBCOMB pep:\*
- 8: /cgn2\_6/ptodata/1/pubppa/US08\_PUBCOMB pep:\*
- 9: /cgn2\_6/ptodata/1/pubppa/US09\_NEW\_PUB pep:\*
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- 11: /cgn2\_6/ptodata/1/pubppa/US10\_NEW\_PUB pep:\*
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- 13: /cgn2\_6/ptodata/1/pubppa/US60\_NEW\_PUB pep:\*
- 14: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	691	100.0	322	9	US-10-086-623-6
2	691	100.0	322	9	US-10-260-539-6
3	691	100.0	364	9	US-10-028-072-186
4	691	100.0	364	9	US-10-121-049-186
5	691	100.0	364	9	US-10-123-904-186
6	691	100.0	364	9	US-10-140-470-186
7	691	100.0	364	9	US-10-175-746-186
8	691	100.0	364	9	US-10-176-918-186
9	691	100.0	364	9	US-10-176-921-186
10	691	100.0	364	9	US-10-137-865-186
11	691	100.0	364	9	US-10-140-474-186
12	691	100.0	364	9	US-10-142-431-186
13	691	100.0	364	9	US-10-143-114-186
14	691	100.0	364	9	US-10-140-002-186
15	691	100.0	364	9	US-10-142-419-186
16	691	100.0	364	9	US-10-123-262-186
17	691	100.0	364	9	US-10-142-423-186
18	691	100.0	364	9	US-10-121-050-186
19	691	100.0	364	9	US-10-141-755-186

20	691	100.0	364	9	US-10-143-032-186	Sequence 186, App
21	691	100.0	364	9	US-10-123-108-186	Sequence 186, App
22	691	100.0	364	9	US-10-123-236-186	Sequence 186, App
23	691	100.0	364	9	US-10-123-261-186	Sequence 186, App
24	691	100.0	364	9	US-10-140-921-186	Sequence 186, App
25	691	100.0	364	9	US-10-140-928-186	Sequence 186, App
26	691	100.0	364	9	US-10-121-045-186	Sequence 186, App
27	691	100.0	364	9	US-10-123-292-186	Sequence 186, App
28	691	100.0	364	9	US-10-123-903-186	Sequence 186, App
29	691	100.0	364	9	US-10-124-819-186	Sequence 186, App
30	691	100.0	364	9	US-10-124-822-186	Sequence 186, App
31	691	100.0	364	9	US-10-140-925-186	Sequence 186, App
32	691	100.0	364	9	US-10-160-498-186	Sequence 186, App
33	691	100.0	364	9	US-10-121-041-186	Sequence 186, App
34	691	100.0	364	9	US-10-121-043-186	Sequence 186, App
35	691	100.0	364	9	US-10-121-047-186	Sequence 186, App
36	691	100.0	364	9	US-10-123-215-186	Sequence 186, App
37	691	100.0	364	9	US-10-123-902-186	Sequence 186, App
38	691	100.0	364	9	US-10-123-908-186	Sequence 186, App
39	691	100.0	364	9	US-10-123-909-186	Sequence 186, App
40	691	100.0	364	9	US-10-123-910-186	Sequence 186, App
41	691	100.0	364	9	US-10-124-813-186	Sequence 186, App
42	691	100.0	364	9	US-10-124-817-186	Sequence 186, App
43	691	100.0	364	9	US-10-124-824-186	Sequence 186, App
44	691	100.0	364	9	US-10-125-922-186	Sequence 186, App
45	691	100.0	364	9	US-10-125-924-186	Sequence 186, App

## ALIGNMENTS

RESULT 1  
US-10-086-623-6  
; Sequence 6, Application US/10086623  
; Patent No. US20020164710A1  
; GENERAL INFORMATION:  
; APPLICANT: ERIKSSON, Ulf  
; APPLICANT: BASE, Karin  
; APPLICANT: LI, Xuti  
; APPLICANT: PONTEN, Annica  
; APPLICANT: UUTELA, Marko  
; APPLICANT: ALITALO, Kari  
; APPLICANT: OESTMAN, Arne  
; APPLICANT: HELDIN, Carl-Henrik  
; TITLE OR INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES  
; FILE REFERENCE: 1064/44833C2  
; CURRENT APPLICATION NUMBER: US/10/086,623  
; CURRENT FILING DATE: 2000-03-04  
; PRIOR APPLICATION NUMBER: US 60/107,852  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: US 60/113,997  
; PRIOR FILING DATE: 1998-12-28  
; PRIOR APPLICATION NUMBER: US 60/150,604  
; PRIOR FILING DATE: 1999-08-26  
; PRIOR APPLICATION NUMBER: US 60/157,108  
; PRIOR FILING DATE: 1999-10-04  
; PRIOR APPLICATION NUMBER: US 60/157,756  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: US 09/438,046  
; PRIOR FILING DATE: 1999-11-10  
; PRIOR APPLICATION NUMBER: US 09/691,200  
; PRIOR FILING DATE: 2000-10-19  
; NUMBER OF SEQ ID NOS: 42  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 6  
; LENGTH: 322  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-086-623-6  
Query Match 100.0%; Score 691; DB 9; Length 322;  
Best Local Similarity 100.0%; Pred. No. 4e+65;  
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 1 RGRSYHRRKRSVYDLDRLNDAAKRYSCPTPRNSVNIREFELKLANVFFPRCLLYORCGGNC 60
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Db 199 RGRSYHRRKRSVYDLDRLNDAAKRYSCPTPRNSVNIREFELKLANVFFPRCLLYORCGGNC 258

OY 61 GCGTVNMRSCTCNSGKTVKKYHVEVLOPEPGHIIKRRGAKTMALVDIOLDHHERCDICSS 120
    |||||
Db 259 GCGTVNMRSCTCNSGKTVKKYHVEVLOPEPGHIIKRRGAKTMALVDIOLDHHERCDICSS 318

OY 121 RPPR 124
    ||||
Db 319 RPPR 322

RESULT 2
US-10-260-539-6
; Sequence 6, Application US/10260539
; Publication No. US20030073637A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ul'f
; APPLICANT: AASE, Karin
; APPLICANT: LI, Xuri
; APPLICANT: PONTEN, Annica
; APPLICANT: TUTELA, Marko
; APPLICANT: ALITTAO, Karl
; APPLICANT: OESTMAN, Arne
; APPLICANT: HEDDIN, Carl-Henrik
; TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH
; FILE REFERENCE: 1064/44833C2
CURRENT APPLICATION NUMBER: US/10/260, 539
CURRENT FILING DATE: 2002-10-01
PRIOR APPLICATION NUMBER: US/10/086,623
PRIOR FILING DATE: 2000-03-04
PRIOR APPLICATION NUMBER: US 60/107,852
PRIOR FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: US 60/113,997
PRIOR FILING DATE: 1998-12-28
PRIOR APPLICATION NUMBER: US 60/150,604
PRIOR FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: US 60/157,108
PRIOR FILING DATE: 1999-10-04
PRIOR APPLICATION NUMBER: US 60/157,756
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: US 09/438,046
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 09/691,200
PRIOR FILING DATE: 2000-10-19
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Patentin version 3.1
SEQ ID NO 6
LENGTH: 322
TYPE: PRT
ORGANISM: Homo sapiens
US-10-260-539-6

Query Match 100.0%; Score 691; DB 9; Length 322;
Best Local Similarity 100.0%; Pred. No. 4e-65;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RGRSYHRRKRSVYDLDRLNDAAKRYSCPTPRNSVNIREFELKLANVFFPRCLLYORCGGNC 60
    |||||
Db 199 RGRSYHRRKRSVYDLDRLNDAAKRYSCPTPRNSVNIREFELKLANVFFPRCLLYORCGGNC 258

OY 61 GCGTVNMRSCTCNSGKTVKKYHVEVLOPEPGHIIKRRGAKTMALVDIOLDHHERCDICSS 120
    |||||
Db 259 GCGTVNMRSCTCNSGKTVKKYHVEVLOPEPGHIIKRRGAKTMALVDIOLDHHERCDICSS 318

OY 121 RPPR 124
    ||||
Db 319 RPPR 322

RESULT 3

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US-10-028-072-186  
 Sequence 186, Application US/10028072  
 Publication No. US2003000411A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: DeForge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Flivaro, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tunas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang  
 TITLE OF INVENTION:  
 FILE REFERENCE:  
 CURRENT APPLICATION NUMBER: US/10/028,072  
 PRIOR FILING DATE: 2001-12-19  
 PRIOR APPLICATION NUMBER: 60/049911  
 PRIOR FILING DATE: 1997-06-18  
 PRIOR APPLICATION NUMBER: 60/056974  
 PRIOR FILING DATE: 1997-08-26  
 PRIOR APPLICATION NUMBER: 60/059113  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059115  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059117  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059122  
 PRIOR FILING DATE: 1997-09-17  
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 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/059263  
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 PRIOR FILING DATE: 1997-09-19  
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 PRIOR FILING DATE: 1997-10-28  
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 PRIOR FILING DATE: 1997-10-29

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PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/064248  
PRIOR FILING DATE: 1997-11-03  
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PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: 60/065186  
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PRIOR FILING DATE: 1997-11-17  
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PRIOR APPLICATION NUMBER: 60/072320  
PRIOR FILING DATE: 1998-01-23  
PRIOR APPLICATION NUMBER: 60/073612  
PRIOR FILING DATE: 1998-02-04  
PRIOR APPLICATION NUMBER: 60/074086  
PRIOR FILING DATE: 1998-02-09  
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PRIOR FILING DATE: 1998-02-09  
PRIOR APPLICATION NUMBER: 60/077791  
PRIOR FILING DATE: 1998-03-12  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
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PRIOR FILING DATE: 1998-02-27  
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PRIOR FILING DATE: 1998-03-31  
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PRIOR FILING DATE: 1998-04-09  
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PRIOR FILING DATE: 1998-04-14  
PRIOR APPLICATION NUMBER: 60/081817  
PRIOR FILING DATE: 1998-04-15  
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PRIOR FILING DATE: 1998-04-15  
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PRIOR FILING DATE: 1998-04-24  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/083545  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084627  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084637

PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/085149  
PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
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PRIOR APPLICATION NUMBER: 60/085339  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
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PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088730  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088741  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
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PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
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PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090538  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07

Query Match 100.0%; Score 691; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 4, 6e-65;  
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDKSKVLDRLNDKAKRYSCPPRYSVNIREELKLAWVFPFRLVORGGNC 60  
Db 241 RGRSYHDKSKVLDRLNDKAKRYSCPPRYSVNIREELKLAWVFPFRLVORGGNC 300  
QY 61 GCGTVMNRSCCTGSKGKTKYKHEVLOFEPGHIKRRGAKTMAVLDIOLDHHERCICSS 120  
Db 301 GCGTVMNRSCCTGSKGKTKYKHEVLOFEPGHIKRRGAKTMAVLDIOLDHHERCICSS 360  
QY 121 RPPR 124  
Db 361 RPPR 364

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RESULT 4
US-10-121-049-186
; Sequence 186, Application US/10121049
; Publication No. US2003002239A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC17
; CURRENT APPLICATION NUMBER: US/10/121,049
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-049-186

Query Match          100.0%; Score 691; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 4,6e-65;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDRKSKVLDRLNDADAKRYSCPTPRYSVINIREELKLANVFFPCLLYVORCGGNC 60
   |||||||
DB 241 RGRSYHDRKSKVLDRLNDADAKRYSCPTPRYSVINIREELKLANVFFPCLLYVORCGGNC 300

QY 61 GCGTVMNRSCCTCNSGKTVMKYHVEYLOFEPGHIKRGAKTMALVDIQLDHERCDICSS 120
   |||||||
DB 301 GCGTVMNRSCCTCNSGKTVMKYHVEYLOFEPGHIKRGAKTMALVDIQLDHERCDICSS 360

QY 121 RPPR 124
   |||||
DB 361 RPPR 364

RESULT 5
US-10-123-904-186
; Sequence 186, Application US/10123904
; Publication No. US20030022328A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC160
; CURRENT APPLICATION NUMBER: US/10/123,904
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-904-186
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APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC54
; CURRENT APPLICATION NUMBER: US/10/123,904
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-904-186

Query Match          100.0%; Score 691; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 4,6e-65;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDRKSKVLDRLNDADAKRYSCPTPRYSVINIREELKLANVFFPCLLYVORCGGNC 60
   |||||||
DB 241 RGRSYHDRKSKVLDRLNDADAKRYSCPTPRYSVINIREELKLANVFFPCLLYVORCGGNC 300

QY 61 GCGTVMNRSCCTCNSGKTVMKYHVEYLOFEPGHIKRGAKTMALVDIQLDHERCDICSS 120
   |||||||
DB 301 GCGTVMNRSCCTCNSGKTVMKYHVEYLOFEPGHIKRGAKTMALVDIQLDHERCDICSS 360

QY 121 RPPR 124
   |||||
DB 361 RPPR 364

RESULT 6
US-10-140-470-186
; Sequence 186, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC160
; CURRENT APPLICATION NUMBER: US/10/140,470
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-470-186

Query Match          100.0%; Score 691; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 4,6e-65;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDRKSKVLDRLNDADAKRYSCPTPRYSVINIREELKLANVFFPCLLYVORCGGNC 60
   |||||||
DB 241 RGRSYHDRKSKVLDRLNDADAKRYSCPTPRYSVINIREELKLANVFFPCLLYVORCGGNC 300
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ORGANISM: Homo Sapien  
US-10-176-921-186

Query Match 100.0%; Score 691; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 4.6e-65;  
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDKRSKVDLRLNDADAKRYSCTPRNYSVINIRELKLAVVFFPRCLLVORCGGNC 60  
DB 241 RGRSYHDKRSKVDLRLNDADAKRYSCTPRNYSVINIRELKLAVVFFPRCLLVORCGGNC 300  
QY 61 GCGTVMNRSCCTCNSGKTVKKYHVEYLOPEPGHIKRGAKTMAVDIOLDHHERDCICSS 120  
DB 301 GCGTVMNRSCCTCNSGKTVKKYHVEYLOPEPGHIKRGAKTMAVDIOLDHHERDCICSS 360  
QY 121 RPPR 124  
DB 361 RPPR 364

## RESULT 10

US-10-137-865-186  
Sequence 186, Application US/10137865  
Publication No. US20030032155A1

GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Tumas, Daniel  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P330R1C154  
CURRENT APPLICATION NUMBER: US/10/137,865  
CURRENT FILING DATE: 2002-05-03  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 186  
LENGTH: 364  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-137-865-186

Query Match 100.0%; Score 691; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 4.6e-65;  
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDKRSKVDLRLNDADAKRYSCTPRNYSVINIRELKLAVVFFPRCLLVORCGGNC 60  
DB 241 RGRSYHDKRSKVDLRLNDADAKRYSCTPRNYSVINIRELKLAVVFFPRCLLVORCGGNC 300  
QY 61 GCGTVMNRSCCTCNSGKTVKKYHVEYLOPEPGHIKRGAKTMAVDIOLDHHERDCICSS 120  
DB 301 GCGTVMNRSCCTCNSGKTVKKYHVEYLOPEPGHIKRGAKTMAVDIOLDHHERDCICSS 360  
QY 121 RPPR 124  
DB 361 RPPR 364

## RESULT 11

US-10-140-474-186  
Sequence 186, Application US/10140474  
Publication No. US20030032156A1

GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P330R1C162  
CURRENT APPLICATION NUMBER: US/10/140,474  
CURRENT FILING DATE: 2002-05-06  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 186  
LENGTH: 364  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-140-474-186

Query Match 100.0%; Score 691; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 4.6e-65;  
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDKRSKVDLRLNDADAKRYSCTPRNYSVINIRELKLAVVFFPRCLLVORCGGNC 60  
DB 241 RGRSYHDKRSKVDLRLNDADAKRYSCTPRNYSVINIRELKLAVVFFPRCLLVORCGGNC 300  
QY 61 GCGTVMNRSCCTCNSGKTVKKYHVEYLOPEPGHIKRGAKTMAVDIOLDHHERDCICSS 120  
DB 301 GCGTVMNRSCCTCNSGKTVKKYHVEYLOPEPGHIKRGAKTMAVDIOLDHHERDCICSS 360  
QY 121 RPPR 124  
DB 361 RPPR 364

## RESULT 12

US-10-142-431-186  
Sequence 186, Application US/10142431  
Publication No. US20030036179A1

GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P330R1C154  
CURRENT APPLICATION NUMBER: US/10/142,431  
CURRENT FILING DATE: 2002-05-03  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 186  
LENGTH: 364  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-142-431-186

```

: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P3330R1C251
: CURRENT APPLICATION NUMBER: US/10/142,431
: CURRENT FILING DATE: 2002-05-10
: Prior Application removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 186
: LENGTH: 364
: TYPE: PRT
: ORGANISM: Homo Sapien
US-10-142-431-186

Query Match
Best Local Similarity 100.0%; Score 691; DB 9; Length 364;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDRKSKYVDLRLNDADAKRYSCPTPRNYSVINIRELKLANYVFFPRCLLYORCGNC 60
DB 241 RGRSYHDRKSKYVDLRLNDADAKRYSCPTPRNYSVINIRELKLANYVFFPRCLLYORCGNC 300

QY 61 GCGTYNMRSCCTCNSGKTYKKYHEVLOEPGHIKRRGAKTMALVDIQLDHHERCDCICSS 120
DB 301 GCGTYNMRSCCTCNSGKTYKKYHEVLOEPGHIKRRGAKTMALVDIQLDHHERCDCICSS 360

QY 121 RPPR 124
DB 361 RPPR 364

RESULT 13
US-10-143-114-186
: Sequence 186, Application US/10143114
: Publication No. US20030036180A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: Deforge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P3330R1C211
: CURRENT APPLICATION NUMBER: US/10/143,114
: CURRENT FILING DATE: 2002-05-09
: Prior Application removed - See Palm or File Wrapper
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 186
: LENGTH: 364
: TYPE: PRT
: ORGANISM: Homo Sapien
US-10-143-114-186

Query Match
Best Local Similarity 100.0%; Score 691; DB 9; Length 364;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDRKSKYVDLRLNDADAKRYSCPTPRNYSVINIRELKLANYVFFPRCLLYORCGNC 60
DB 241 RGRSYHDRKSKYVDLRLNDADAKRYSCPTPRNYSVINIRELKLANYVFFPRCLLYORCGNC 300
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QY 61 GCGTYNMRSCCTCNSGKTYKKYHEVLOEPGHIKRRGAKTMALVDIQLDHHERCDCICSS 120
DB 301 GCGTYNMRSCCTCNSGKTYKKYHEVLOEPGHIKRRGAKTMALVDIQLDHHERCDCICSS 360

QY 121 RPPR 124
DB 361 RPPR 364

RESULT 14
US-10-140-002-186
: Sequence 186, Application US/10140002
: Publication No. US20030037623A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: Deforge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P3330R1C59
: CURRENT APPLICATION NUMBER: US/10/140,002
: CURRENT FILING DATE: 2002-05-06
: Prior Application removed - See Palm or File Wrapper
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 186
: LENGTH: 364
: TYPE: PRT
: ORGANISM: Homo Sapien
US-10-140-002-186

Query Match
Best Local Similarity 100.0%; Score 691; DB 9; Length 364;
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RGRSYHDRKSKYVDLRLNDADAKRYSCPTPRNYSVINIRELKLANYVFFPRCLLYORCGNC 60
DB 241 RGRSYHDRKSKYVDLRLNDADAKRYSCPTPRNYSVINIRELKLANYVFFPRCLLYORCGNC 300

QY 61 GCGTYNMRSCCTCNSGKTYKKYHEVLOEPGHIKRRGAKTMALVDIQLDHHERCDCICSS 120
DB 301 GCGTYNMRSCCTCNSGKTYKKYHEVLOEPGHIKRRGAKTMALVDIQLDHHERCDCICSS 360

QY 121 RPPR 124
DB 361 RPPR 364

RESULT 15
US-10-142-419-186
: Sequence 186, Application US/10142419
: Publication No. US20030044945A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: Deforge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerritsen, Mary E.
```

APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Collin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P330R1C244  
CURRENT APPLICATION NUMBER: US/10/142,419  
CURRENT FILING DATE: 2002-05-10  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 186  
LENGTH: 364  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-142-419-186

Query Match 100.0%; Score 691; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 4.6e-65;  
Matches 124; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 RGRSYHDRKSKVLDRLNDADAKRYSCPTPRNYSVINREELKLANVFFPCLTVORCGGNC 60  
Db 241 RGRSYHDRKSKVLDRLNDADAKRYSCPTPRNYSVINREELKLANVFFPCLTVORCGGNC 300  
QY 61 GCGTVNMRSCCTNSGKTVKKYHEVLOFEPGHIRKRGRAKTMALVDIQLDHHERCDCICSS 120  
Db 301 GCGTVNMRSCCTNSGKTVKKYHEVLOFEPGHIRKRGRAKTMALVDIQLDHHERCDCICSS 360  
QY 121 RPPR 124  
Db 361 RPPR 364

Search completed: June 11, 2003, 08:16:58  
Job time : 21.2361 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 11, 2003, 08:00:14 ; Search time 3.66667 Seconds  
(Without alignments)  
256.782 Million cell updates/sec

Title: US-09-662-783-2\_COPY\_339\_370

Perfect score: 177

Sequence: 1 KRGRAKTMALVDIQLDHERCDICSSRPR 32

Scoring table: BIOSUM62

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Listing first 45 summaries

Issued\_Patents\_AA:\*

- 1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*
- 2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/1aa/PTCUS.COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/1aa/backfill1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	177	100.0	370	US-09-457-066-37	Sequence 37, Appl
2	177	100.0	370	US-09-540-224-2	Sequence 2, Appl
3	169	95.5	370	US-09-540-224-4	Sequence 4, Appl
4	82	46.3	24	US-09-540-224-9	Sequence 9, Appl
5	77	43.5	345	US-09-040-220D-2	Sequence 2, Appl
6	77	43.5	345	US-09-457-066-2	Sequence 2, Appl
7	77	43.5	345	US-09-265-686-2	Sequence 2, Appl
8	77	43.5	345	US-09-540-224-5	Sequence 5, Appl
9	76	42.9	345	US-09-457-066-43	Sequence 43, Appl
10	52	29.4	439	US-09-026-001A-8	Sequence 8, Appl
11	52	29.4	521	US-09-026-001A-12	Sequence 12, Appl
12	52	29.4	592	US-09-026-001A-14	Sequence 14, Appl
13	49	27.7	462	US-09-026-001A-16	Sequence 16, Appl
14	48	27.1	368	US-08-630-915A-20	Sequence 20, Appl
15	47.5	26.8	290	US-08-411-706-2	Sequence 2, Appl
16	47.5	26.8	295	US-08-411-706-4	Sequence 4, Appl
17	45	25.4	2639	US-09-080-983-3	Sequence 3, Appl
18	44.5	25.1	451	US-08-996-139-4	Sequence 4, Appl
19	44.5	25.1	451	US-08-995-659-4	Sequence 4, Appl
20	44.5	25.1	451	US-09-215-649A-4	Sequence 4, Appl
21	44.5	25.1	451	US-09-577-780-4	Sequence 4, Appl
22	44.5	25.1	591	US-08-996-139-2	Sequence 2, Appl
23	44.5	25.1	591	US-08-995-659-2	Sequence 2, Appl
24	44.5	25.1	591	US-09-215-649A-2	Sequence 2, Appl
25	44.5	25.1	591	US-09-577-780-2	Sequence 2, Appl
26	44.5	25.1	616	US-08-996-139-6	Sequence 6, Appl
27	44.5	25.1	616	US-08-995-659-6	Sequence 6, Appl

28	44.5	25.1	616	US-09-215-649A-6	Sequence 6, Appl
29	44.5	25.1	616	US-09-577-780-6	Sequence 6, Appl
30	44	24.9	325	US-08-915-795-3	Sequence 3, Appl
31	44	24.9	354	US-08-915-795-5	Sequence 5, Appl
32	44	24.9	915	US-08-818-070-2	Sequence 2, Appl
33	44	24.9	915	US-08-723-585-2	Sequence 2, Appl
34	43.5	24.6	387	US-08-123-161A-10	Sequence 10, Appl
35	43.5	24.6	387	US-08-123-161A-12	Sequence 12, Appl
36	43.5	24.6	387	US-08-483-278-10	Sequence 10, Appl
37	43.5	24.6	387	US-08-483-278-12	Sequence 12, Appl
38	43.5	24.6	560	US-08-592-500-2	Sequence 2, Appl
39	43.5	24.6	560	US-08-195-006-2	Sequence 2, Appl
40	43.5	24.6	560	US-09-063-950-4	Sequence 4, Appl
41	43.5	24.6	560	PCT-US94-07644A-2	Sequence 2, Appl
42	43	24.3	132	US-09-125-642C-15	Sequence 15, Appl
43	42.5	24.0	210	US-09-258-257-2	Sequence 2, Appl
44	42.5	24.0	210	US-09-258-371-2	Sequence 2, Appl
45	42.5	24.0	210	US-08-569-721A-2	Sequence 2, Appl

## ALIGNMENTS

```
RESULT 1
US-09-457-066-37
: Sequence 37, Application US/09457066
: Patent No. 6432673
: GENERAL INFORMATION:
: APPLICANT: Gao, Zeren
: APPLICANT: Hart, Charles E.
: APPLICANT: Piddington, Christopher S.
: APPLICANT: Sheppard, Paul O.
: APPLICANT: Shoemaker, Kimberly E.
: APPLICANT: Gilbertson, Debra G.
: APPLICANT: Gilbertson, Debra W.
: TITLE OF INVENTION: GROWTH FACTOR HOMOLOGY ZVEGF3
: FILE REFERENCE: 98-60
: CURRENT APPLICATION NUMBER: US/09/457,066
: CURRENT FILING DATE: 1999-12-07
: NUMBER OF SEQ ID NOS: 50
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 37
: LENGTH: 370
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-457-066-37

Query Match      100.0%; Score 177; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 6.4e-19;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 KRGRAKTMALVDIQLDHERCDICSSRPR 32
Db      339 KRGRAKTMALVDIQLDHERCDICSSRPR 370

RESULT 2
US-09-540-224-2
: Sequence 2, Application US/09540224
: Patent No. 6468543
: GENERAL INFORMATION:
: APPLICANT: Gilbertson, Debra G.
: APPLICANT: Hart, Charles E.
: TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
: FILE REFERENCE: 00-28
: CURRENT APPLICATION NUMBER: US/09/540,224
: CURRENT FILING DATE: 2000-03-31
: EARLIER APPLICATION NUMBER: US 60/180,169
: EARLIER FILING DATE: 2000-02-04
: NUMBER OF SEQ ID NOS: 9
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 2
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LENGTH: 370  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-540-224-2

Query Match 100.0%; Score 177; DB 4; Length 370;  
Best Local Similarity 100.0%; Pred. No. 6.4e-19;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRGAKTMALVDIQLDHERCICSSRPPR 32  
Db 339 KRRGAKTMALVDIQLDHERCICSSRPPR 370

RESULT 3  
US-09-540-224-4  
Sequence 4, Application US/09540224  
Patent No. 6468543

GENERAL INFORMATION:  
APPLICANT: Gilbertson, Debra G.  
APPLICANT: Hart, Charles E.  
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,  
TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGR4  
FILE REFERENCE: 00-28

CURRENT APPLICATION NUMBER: US/09/540,224  
CURRENT FILING DATE: 2000-03-31  
EARLIER APPLICATION NUMBER: US 60/180,169  
EARLIER FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 9

SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 4  
LENGTH: 370  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-540-224-4

Query Match 95.5%; Score 169; DB 4; Length 370;  
Best Local Similarity 93.88; Pred. No. 1e-17;  
Matches 30; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KRRGAKTMALVDIQLDHERCICSSRPPR 32  
Db 339 KRRGAKTMALVDIQLDHERCICSSRPPR 370

RESULT 4  
US-09-540-224-9  
Sequence 9, Application US/09540224  
Patent No. 6468543

GENERAL INFORMATION:  
APPLICANT: Gilbertson, Debra G.  
APPLICANT: Hart, Charles E.  
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,  
TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGR4  
FILE REFERENCE: 00-28

CURRENT APPLICATION NUMBER: US/09/540,224  
CURRENT FILING DATE: 2000-03-31  
EARLIER APPLICATION NUMBER: US 60/180,169  
EARLIER FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 9

SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 9  
LENGTH: 24  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: peptide  
US-09-540-224-9

Query Match 46.3%; Score 82; DB 4; Length 24;  
Best Local Similarity 100.0%; Pred. No. 6.4e-06;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRGAKTMALVDIQLD 17  
Db 8 KRRGAKTMALVDIQLD 24

RESULT 5  
US-09-040-220D-2  
Sequence 2, Application US/09040220D  
Patent No. 6391311

GENERAL INFORMATION:  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Kuo, Sophia S.  
TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR  
TITLE OF INVENTION: ENDOTHELIAL CELL GROWTH FACTOR AND BONE MORPHOGENETIC  
TITLE OF INVENTION: PROTEIN 1 AND NUCLEIC ACIDS ENCODING SAME, THEIR USES,  
TITLE OF INVENTION: AND PROCESSES FOR THEIR PRODUCTION  
FILE REFERENCE: P1122

CURRENT APPLICATION NUMBER: US/09/040,220D  
CURRENT FILING DATE: 1998-03-17  
NUMBER OF SEQ ID NOS: 8  
SEQ ID NO 2

LENGTH: 345  
TYPE: PRT  
ORGANISM: Human  
US-09-040-220D-2

Query Match 43.5%; Score 77; DB 4; Length 345;  
Best Local Similarity 54.2%; Pred. No. 0.00064;  
Matches 13; Conservative 4; Mismatches 5; Indels 2; Gaps 1;

QY 3 RGRKTMALVDIQLDHERCIC 26  
Db 318 RGLHK--SLTDVALLHHECDVCV 339

RESULT 6  
US-09-457-066-2  
Sequence 2, Application US/09457066  
Patent No. 6432673

GENERAL INFORMATION:  
APPLICANT: Gao, Zeren  
APPLICANT: Hart, Charles E.  
APPLICANT: Piddington, Christopher S.

APPLICANT: Sheppard, Paul O.  
APPLICANT: Shoemaker, Kimberly E.  
APPLICANT: Gilbertson, Debra G.  
APPLICANT: West, James W.

TITLE OF INVENTION: GROWTH FACTOR HOMOLOGY ZVEGR3  
FILE REFERENCE: 98-60  
CURRENT APPLICATION NUMBER: US/09/457,066  
CURRENT FILING DATE: 1999-12-07

NUMBER OF SEQ ID NOS: 50  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-457-066-2

Query Match 43.5%; Score 77; DB 4; Length 345;  
Best Local Similarity 54.2%; Pred. No. 0.00064;  
Matches 13; Conservative 4; Mismatches 5; Indels 2; Gaps 1;

QY 3 RGRKTMALVDIQLDHERCIC 26  
Db 318 RGLHK--SLTDVALLHHECDVCV 339

RESULT 7  
US-09-265-686-2  
Sequence 2, Application US/09265686  
Patent No. 6455283  
GENERAL INFORMATION:

APPLICANT: Ferrara, Napoleone  
APPLICANT: Kuo, Sophia S.  
TITLE OF INVENTION: POLYPEPTIDES HOMOLOGOUS TO VEGF AND BMP1  
FILE REFERENCE: P1122P2  
CURRENT APPLICATION NUMBER: US/09/265,686  
CURRENT FILING DATE: 1999-03-10  
PRIOR APPLICATION NUMBER: US 09/040,220  
PRIOR FILING DATE: 1998-03-17  
PRIOR APPLICATION NUMBER: US 09/184,216  
PRIOR FILING DATE: 1998-11-02  
NUMBER OF SEQ ID NOS: 8  
SEQ ID NO 2  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Human  
US-09-265-686-2

Query Match 43.5%; Score 77; DB 4; Length 345;  
Best Local Similarity 54.2%; Pred. No. 0.00064;  
Matches 13; Conservative 4; Mismatches 5; Indels 2; Gaps 1;

QY 3 RGRKTMALVDIQLDHHRCDCIC 26  
Db 318 RGLHK--SLTDVALEHHECDVC 339

RESULT 8  
US-09-540-224-5  
Sequence 5, Application US/09540224  
Patent No. 6468543  
GENERAL INFORMATION:  
APPLICANT: Gilbertson, Debra G.  
TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,  
TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4  
FILE REFERENCE: 00-28  
CURRENT APPLICATION NUMBER: US/09/540,224  
CURRENT FILING DATE: 2000-03-31  
EARLIER APPLICATION NUMBER: US 60/180,169  
EARLIER FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 5  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-540-224-5

Query Match 43.5%; Score 77; DB 4; Length 345;  
Best Local Similarity 54.2%; Pred. No. 0.00064;  
Matches 13; Conservative 4; Mismatches 5; Indels 2; Gaps 1;

QY 3 RGRKTMALVDIQLDHHRCDCIC 26  
Db 318 RGLHK--SLTDVALEHHECDVC 339

RESULT 9  
US-09-457-066-43  
Sequence 43, Application US/09457066  
Patent No. 6432673  
GENERAL INFORMATION:  
APPLICANT: Gao, Zeren  
APPLICANT: Hart, Charles E.  
APPLICANT: Piddington, Christopher S.  
APPLICANT: Sheppard, Paul O.  
APPLICANT: Shoemaker, Kimberly E.  
APPLICANT: Gilbertson, Debra G.  
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3  
FILE REFERENCE: 98-60  
CURRENT APPLICATION NUMBER: US/09/457,066  
CURRENT FILING DATE: 1999-12-07

NUMBER OF SEQ ID NOS: 50  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 43  
LENGTH: 345  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-457-066-43

Query Match 42.9%; Score 76; DB 4; Length 345;  
Best Local Similarity 58.8%; Pred. No. 0.00091;  
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 10 ALVDIQLDHHRCDCIC 26  
Db 323 SLTDVALEHHECDVC 339

RESULT 10  
US-09-026-001A-8  
Sequence 8, Application US/09026001A  
Patent No. 6413760  
GENERAL INFORMATION:  
APPLICANT: Boonhoo, Amehand  
APPLICANT: Seehra, Jasbir  
APPLICANT: Shaw, Gray  
APPLICANT: Sako, Dianne  
TITLE OF INVENTION: HIGHLY PURIFIED MOCARHAGIN, A COBRA VENOM  
TITLE OF INVENTION: THERAPEUTIC USES THEREOF  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
City: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/026,001A  
FILING DATE: 18-FEB-1998  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
REFERENCE/DOCKET NUMBER: G15293B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8224  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 439 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-026-001A-8

Query Match 29.4%; Score 52; DB 4; Length 439;  
Best Local Similarity 61.5%; Pred. No. 4.8;  
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 18 HHERCDICSRP 30  
Db 349 HHGASCICSLRP 361

RESULT 11  
US-09-026-001A-12  
Sequence 12, Application US/09026001A

Patent No. 6413760  
GENERAL INFORMATION:  
APPLICANT: Boodhoo, Amechand  
APPLICANT: Seehra, Jasbir  
APPLICANT: Shaw, Gray  
APPLICANT: Sako, Dianne  
TITLE OF INVENTION: HIGHLY PURIFIED MOCARHAGIN, A COBRA VENOM  
TITLE OF INVENTION: THERAPEUTIC USES THEREOF  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/026,001A  
FILING DATE: 18-FEB-1998  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
REFERENCE/DOCKET NUMBER: G15293B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8224  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 521 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-026-001A-12

Query Match 29.4%; Score 52; DB 4; Length 521;  
Best Local Similarity 61.5%; Pred. No. 5.8;  
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

OY 18 HHERCDICSSRP 30  
DB 348 HHDGASCICSLRP 360

RESULT 12  
US-09-026-001A-14  
Sequence 14, Application US/09026001A  
Patent No. 6413760  
GENERAL INFORMATION:  
APPLICANT: Boodhoo, Amechand  
APPLICANT: Seehra, Jasbir  
APPLICANT: Shaw, Gray  
APPLICANT: Sako, Dianne  
TITLE OF INVENTION: HIGHLY PURIFIED MOCARHAGIN, A COBRA VENOM  
TITLE OF INVENTION: THERAPEUTIC USES THEREOF  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/026,001A  
FILING DATE: 18-FEB-1998  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
REFERENCE/DOCKET NUMBER: G15293B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8224  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 462 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-026-001A-16

SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/026,001A  
FILING DATE: 18-FEB-1998  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
REFERENCE/DOCKET NUMBER: G15293B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8224  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 592 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-026-001A-14

Query Match 29.4%; Score 52; DB 4; Length 592;  
Best Local Similarity 61.5%; Pred. No. 6.0;  
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

OY 18 HHERCDICSSRP 30  
DB 349 HHDGASCICSLRP 361

RESULT 13  
US-09-026-001A-16  
Sequence 16, Application US/09026001A  
Patent No. 6413760  
GENERAL INFORMATION:  
APPLICANT: Boodhoo, Amechand  
APPLICANT: Seehra, Jasbir  
APPLICANT: Shaw, Gray  
APPLICANT: Sako, Dianne  
TITLE OF INVENTION: HIGHLY PURIFIED MOCARHAGIN, A COBRA VENOM  
TITLE OF INVENTION: THERAPEUTIC USES THEREOF  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/026,001A  
FILING DATE: 18-FEB-1998  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
REFERENCE/DOCKET NUMBER: G15293B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8224  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 462 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-026-001A-16



Query Match 27.7%; Score 49; DB 4; Length 462;  
Best Local Similarity 53.8%; Pred. No. 14;  
Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

OY 18 HHERDCICSSRP 30  
11: 1111:1  
Db 219 HHDGASCISLKP 231

RESULT 14  
US-08-630-915A-20

; Sequence 20, Application US/08630915A  
; Patent No. 6309820

; GENERAL INFORMATION:

; APPLICANT: SPARKS, Andrew B.  
; APPLICANT: HOFFMAN, NO. 6309820H

; APPLICANT: KAY, Brian K.

; APPLICANT: FOWLER, Dana M.

; APPLICANT: MCCONNELL, Stephen J.

; TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL

; TITLE OF INVENTION: DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND

; TITLE OF INVENTION: USING SAME

; NUMBER OF SEQUENCES: 227

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds LLP

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/630,915A

; FILING DATE: 03-APR-1996

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Mistrock, S. Leslie

; REGISTRATION NUMBER: 18,872

; REFERENCE/DOCKET NUMBER: 1101-174

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 20:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 368 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: unknown

; MOLECULE TYPE: peptide

; US-08-630-915A-20

Query Match 27.1%; Score 48; DB 4; Length 368;  
Best Local Similarity 37.8%; Pred. No. 16;  
Matches 14; Conservative 2; Mismatches 7; Indels 14; Gaps 1;

OY 10 ALVDIQLDHHERDCI-----CSSRPR 32  
11111111:11111111

Db 217 ALVDNQLDYHRQAVQILLEADKLKRRVREASSRPR 253

RESULT 15  
US-08-411-706-2  
; Sequence 2, Application US/08411706  
; Patent No. 5789193  
; GENERAL INFORMATION:  
; APPLICANT:  
; APPLICANT:

; APPLICANT:  
; APPLICANT:  
; APPLICANT:  
; TITLE OF INVENTION: Increased production of secreted  
; TITLE OF INVENTION: Proteins by  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &  
; ADDRESSEE: Borun  
; STREET: 6300 Sears Tower, 233 South Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: United States of America  
; ZIP: 60606-6402

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/411,706

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: FI 92 4494

; FILING DATE: 06-OCT-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Meyers, Thomas C.

; REGISTRATION NUMBER: 36,989

; REFERENCE/DOCKET NUMBER: 32530

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 312/474-6300

; TELEFAX: 312/474-0448

; TELEX: 25 3856

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 290 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-411-706-2

Query Match 26.8%; Score 47.5; DB 1; Length 290;  
Best Local Similarity 57.9%; Pred. No. 15;  
Matches 11; Conservative 2; Mismatches 5; Indels 1; Gaps 1;

OY 2 RRGRAKTALVDIQLDHHE 20  
11111111:11111111

Db 182 RRGRAKT-ALAEVQARHGE 199

Search completed: June 11, 2003, 08:03:30  
Job time : 5.66667 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June 11, 2003, 08:02:15 ; Search time 5.22222 Seconds  
(without alignments)  
632.621 Million cell updates/sec

Title: US-09-662-783-2\_COPY\_339\_370

Perfect score: 177  
Sequence: 1 KRGRAKTMALVDIQLDHERCICSSRP 32

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 392085 seqs, 103240269 residues

Total number of hits satisfying chosen parameters: 392085

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published\_Applications\_AA:\*  
1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/PC1\_NEW\_PUB pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB pep:\*  
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6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB pep:\*  
7: /cgn2\_6/ptodata/1/pubpaa/PC1\_PUBCOMB pep:\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB pep:\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB pep:\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB pep:\*  
11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB pep:\*  
12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB pep:\*  
13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB pep:\*  
14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	177	100.0	66	9	US-10-086-623-2
2	177	100.0	66	9	US-10-260-539-2
3	177	100.0	200	9	US-10-086-623-4
4	177	100.0	200	9	US-10-260-539-4
5	177	100.0	317	9	US-10-083-853-2
6	177	100.0	322	9	US-10-086-623-6
7	177	100.0	322	9	US-10-260-539-6
8	177	100.0	364	9	US-10-028-072-186
9	177	100.0	364	9	US-10-121-049-186
10	177	100.0	364	9	US-10-123-904-186
11	177	100.0	364	9	US-10-140-470-186
12	177	100.0	364	9	US-10-175-746-186
13	177	100.0	364	9	US-10-176-918-186
14	177	100.0	364	9	US-10-176-921-186
15	177	100.0	364	9	US-10-137-865-186
16	177	100.0	364	9	US-10-140-474-186
17	177	100.0	364	9	US-10-142-431-186
18	177	100.0	364	9	US-10-143-114-186
19	177	100.0	364	9	US-10-140-002-186

20	177	100.0	364	9	US-10-142-419-186	Sequence 186, App
21	177	100.0	364	9	US-10-123-262-186	Sequence 186, App
22	177	100.0	364	9	US-10-142-923-186	Sequence 186, App
23	177	100.0	364	9	US-10-121-050-186	Sequence 186, App
24	177	100.0	364	9	US-10-141-755-186	Sequence 186, App
25	177	100.0	364	9	US-10-143-032-186	Sequence 186, App
26	177	100.0	364	9	US-10-143-108-186	Sequence 186, App
27	177	100.0	364	9	US-10-123-236-186	Sequence 186, App
28	177	100.0	364	9	US-10-123-261-186	Sequence 186, App
29	177	100.0	364	9	US-10-140-921-186	Sequence 186, App
30	177	100.0	364	9	US-10-140-928-186	Sequence 186, App
31	177	100.0	364	9	US-10-121-045-186	Sequence 186, App
32	177	100.0	364	9	US-10-123-292-186	Sequence 186, App
33	177	100.0	364	9	US-10-123-903-186	Sequence 186, App
34	177	100.0	364	9	US-10-124-819-186	Sequence 186, App
35	177	100.0	364	9	US-10-124-822-186	Sequence 186, App
36	177	100.0	364	9	US-10-140-925-186	Sequence 186, App
37	177	100.0	364	9	US-10-160-498-186	Sequence 186, App
38	177	100.0	364	9	US-10-121-041-186	Sequence 186, App
39	177	100.0	364	9	US-10-121-043-186	Sequence 186, App
40	177	100.0	364	9	US-10-121-047-186	Sequence 186, App
41	177	100.0	364	9	US-10-123-215-186	Sequence 186, App
42	177	100.0	364	9	US-10-123-902-186	Sequence 186, App
43	177	100.0	364	9	US-10-123-908-186	Sequence 186, App
44	177	100.0	364	9	US-10-123-909-186	Sequence 186, App
45	177	100.0	364	9	US-10-123-910-186	Sequence 186, App

#### ALIGNMENTS

RESULT 1  
US-10-086-623-2  
Sequence 2, Application US/10086623  
Patent NO. US20020164710A1  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: RASE, Karin  
APPLICANT: LI, Xuri  
APPLICANT: PONTEN, Annica  
APPLICANT: UUTELA, Marko  
APPLICANT: ALTTALO, Karl  
APPLICANT: OESTMAN, Arne  
APPLICANT: HELDIN, Carl-Henrik  
TITLE OR INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES  
FILE REFERENCE: 1064/44833C2  
CURRENT APPLICATION NUMBER: US/10/086, 623  
CURRENT FILING DATE: 2000-03-04  
PRIOR APPLICATION NUMBER: US 60/107, 852  
PRIOR FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: US 60/113, 997  
PRIOR FILING DATE: 1998-12-28  
PRIOR APPLICATION NUMBER: US 60/150, 604  
PRIOR FILING DATE: 1999-08-26  
PRIOR APPLICATION NUMBER: US 60/157, 108  
PRIOR FILING DATE: 1999-10-04  
PRIOR APPLICATION NUMBER: US 60/157, 756  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: US 09/438, 046  
PRIOR FILING DATE: 1999-11-10  
PRIOR APPLICATION NUMBER: US 09/691, 200  
PRIOR FILING DATE: 2000-10-19  
NUMBER OF SEQ ID NOS: 42  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 66  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-086-623-2  
Query Match 100.0%; Score 177; DB 9; Length 66;  
Best Local Similarity 100.0%; Pred. No. 1.3e-17;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



Best Local Similarity 100.0%; Pred. No. 4e-17;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRGRAKTMALVLDIQLDHERCDICSSRPPR 32  
Db 169 KRGRAKTMALVLDIQLDHERCDICSSRPPR 200

## RESULT 5

US-10-083-853-2  
; Sequence 2, Application US/10083853  
; Patent No. US20020164709A1  
; GENERAL INFORMATION:  
; APPLICANT: Affymetrix, Inc  
; APPLICANT: Shigeta, Ron T  
; APPLICANT: Siant-Rose, Michael A  
; TITLE OF INVENTION: Nucleic Acid Encoding Growth Factor Protein  
; FILE REFERENCE: 3385.1  
; CURRENT APPLICATION NUMBER: US/10/083,853  
; CURRENT FILING DATE: 2002-02-26  
; PRIOR APPLICATION NUMBER: USSN 60/272,663  
; PRIOR FILING DATE: 2001-03-01  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 2  
; LENGTH: 317  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-083-853-2

Query Match 100.0%; Score 177; DB 9; Length 317;  
Best Local Similarity 100.0%; Pred. No. 6.4e-17;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRGRAKTMALVLDIQLDHERCDICSSRPPR 32  
Db 286 KRGRAKTMALVLDIQLDHERCDICSSRPPR 317

## RESULT 6

US-10-086-623-6  
; Sequence 6, Application US/10086623  
; Patent No. US20020164710A1  
; GENERAL INFORMATION:  
; APPLICANT: ERIKSSON, Ulf  
; APPLICANT: MASE, Karin  
; APPLICANT: Li, Xuri  
; APPLICANT: PONTEN, Annica  
; APPLICANT: UUTELA, Marko  
; APPLICANT: ALLITALO, Karl  
; APPLICANT: OESTMAN, Arne  
; APPLICANT: HELDIN, Carl-Henrik  
; TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH  
; FILE REFERENCE: 1064/44833C2  
; CURRENT APPLICATION NUMBER: US/10/086,623  
; CURRENT FILING DATE: 2000-03-04  
; PRIOR APPLICATION NUMBER: US 60/107,852  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: US 60/113,997  
; PRIOR FILING DATE: 1998-12-28  
; PRIOR APPLICATION NUMBER: US 60/150,604  
; PRIOR FILING DATE: 1999-08-26  
; PRIOR APPLICATION NUMBER: US 60/157,108  
; PRIOR FILING DATE: 1999-10-04  
; PRIOR APPLICATION NUMBER: US 60/157,756  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: US 09/438,046  
; PRIOR FILING DATE: 1999-11-10  
; PRIOR APPLICATION NUMBER: US 09/691,200  
; PRIOR FILING DATE: 2000-10-19  
; NUMBER OF SEQ ID NOS: 42  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 6

LENGTH: 322  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-086-623-6

Query Match 100.0%; Score 177; DB 9; Length 322;  
Best Local Similarity 100.0%; Pred. No. 6.5e-17;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRGRAKTMALVLDIQLDHERCDICSSRPPR 32  
Db 291 KRGRAKTMALVLDIQLDHERCDICSSRPPR 322

## RESULT 7

US-10-260-539-6  
; Sequence 6, Application US/10260539  
; Publication No. US20030073637A1  
; GENERAL INFORMATION:  
; APPLICANT: ERIKSSON, Ulf  
; APPLICANT: MASE, Karin  
; APPLICANT: Li, Xuri  
; APPLICANT: PONTEN, Annica  
; APPLICANT: UUTELA, Marko  
; APPLICANT: ALLITALO, Karl  
; APPLICANT: OESTMAN, Arne  
; APPLICANT: HELDIN, Carl-Henrik  
; TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES  
; FILE REFERENCE: 1064/44833C2  
; CURRENT APPLICATION NUMBER: US/10/260,539  
; CURRENT FILING DATE: 2002-10-01  
; PRIOR APPLICATION NUMBER: US/10/086,623  
; PRIOR FILING DATE: 2000-03-04  
; PRIOR APPLICATION NUMBER: US 60/107,852  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: US 60/113,997  
; PRIOR FILING DATE: 1998-12-28  
; PRIOR APPLICATION NUMBER: US 60/150,604  
; PRIOR FILING DATE: 1999-08-26  
; PRIOR APPLICATION NUMBER: US 60/157,108  
; PRIOR FILING DATE: 1999-10-04  
; PRIOR APPLICATION NUMBER: US 60/157,756  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: US 09/438,046  
; PRIOR FILING DATE: 1999-11-10  
; PRIOR APPLICATION NUMBER: US 09/691,200  
; PRIOR FILING DATE: 2000-10-19  
; NUMBER OF SEQ ID NOS: 42  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 6  
; LENGTH: 322  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-260-539-6

Query Match 100.0%; Score 177; DB 9; Length 322;  
Best Local Similarity 100.0%; Pred. No. 6.5e-17;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRGRAKTMALVLDIQLDHERCDICSSRPPR 32  
Db 291 KRGRAKTMALVLDIQLDHERCDICSSRPPR 322

## RESULT 8

US-10-028-072-186  
; Sequence 186, Application US/10028072  
; Publication No. US20030004311A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: Deforge, Laura  
; APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Geritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang  
FILE OF INVENTION:  
FILE REFERENCE:  
CURRENT APPLICATION NUMBER: US/10/028, 072  
CURRENT FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059836  
PRIOR FILING DATE: 1997-09-24  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062285  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062814  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/062816  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063045  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063082  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/063127  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063327  
PRIOR FILING DATE: 1997-10-27  
PRIOR APPLICATION NUMBER: 60/063329  
PRIOR FILING DATE: 1997-10-27  
PRIOR APPLICATION NUMBER: 60/063550  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063561  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063704  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063733  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063735  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063738  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063755  
PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064248  
PRIOR FILING DATE: 1997-11-03  
PRIOR APPLICATION NUMBER: 60/064809  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065846  
PRIOR FILING DATE: 1997-11-17  
PRIOR APPLICATION NUMBER: 60/066364  
PRIOR FILING DATE: 1997-11-21  
PRIOR APPLICATION NUMBER: 60/066453  
PRIOR FILING DATE: 1997-11-24  
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PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/069212  
PRIOR FILING DATE: 1997-12-11  
PRIOR APPLICATION NUMBER: 60/069278  
PRIOR FILING DATE: 1997-12-11  
PRIOR APPLICATION NUMBER: 60/069334  
PRIOR FILING DATE: 1997-12-11  
PRIOR APPLICATION NUMBER: 60/069694  
PRIOR FILING DATE: 1997-12-16  
PRIOR APPLICATION NUMBER: 60/072320  
PRIOR FILING DATE: 1998-01-23  
PRIOR APPLICATION NUMBER: 60/073612  
PRIOR FILING DATE: 1998-02-04  
PRIOR APPLICATION NUMBER: 60/074086  
PRIOR FILING DATE: 1998-02-09  
PRIOR APPLICATION NUMBER: 60/074092  
PRIOR FILING DATE: 1998-02-09  
PRIOR APPLICATION NUMBER: 60/077791  
PRIOR FILING DATE: 1998-03-12  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079663  
PRIOR FILING DATE: 1998-02-27  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/080165  
PRIOR FILING DATE: 1998-03-31  
PRIOR APPLICATION NUMBER: 60/081203  
PRIOR FILING DATE: 1998-04-09  
PRIOR APPLICATION NUMBER: 60/081229  
PRIOR FILING DATE: 1998-04-09  
PRIOR APPLICATION NUMBER: 60/081695  
PRIOR FILING DATE: 1998-04-14  
PRIOR APPLICATION NUMBER: 60/081817  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/081818  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082999  
PRIOR FILING DATE: 1998-04-24  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/083545  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084627  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084637  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/085149  
PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085338  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085339

;; PRIOR FILING DATE: 1998-05-13  
;; PRIOR APPLICATION NUMBER: 60/085579  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085697  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085704  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/086414  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/086430  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088730  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088741  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090429  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090538  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07

Query Match 100.0%; Score 177; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 7.3e-17;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRGRKAKTMAVLDIQLDHERCDDICSSRPPR 32  
Db 333 KRGRKAKTMAVLDIQLDHERCDDICSSRPPR 364

RESULT 9  
US-10-121-049-186  
;; Sequence 186, Application US/10121049  
;; Publication No. US2003002239A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Beresini, Maureen  
;; APPLICANT: Deforge, Laura  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Filvaroff, Ellen  
;; APPLICANT: Gao, Wei-Qiang  
;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Sherwood, Steven

;; APPLICANT: Smith, Victoria  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K  
;; APPLICANT: Wood, William  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3330R1C17  
;; CURRENT APPLICATION NUMBER: US/10/121,049  
;; PRIOR FILING DATE: 2002-04-12  
;; PRIOR APPLICATION removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 550  
;; SEQ ID NO 186  
;; LENGTH: 364  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-121-049-186

Query Match 100.0%; Score 177; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 7.3e-17;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRGRKAKTMAVLDIQLDHERCDDICSSRPPR 32  
Db 333 KRGRKAKTMAVLDIQLDHERCDDICSSRPPR 364

RESULT 10  
US-10-123-904-186  
;; Sequence 186, Application US/10123904  
;; Publication No. US20030022328A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Beresini, Maureen  
;; APPLICANT: Deforge, Laura  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Filvaroff, Ellen  
;; APPLICANT: Gao, Wei-Qiang  
;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Sherwood, Steven  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K  
;; APPLICANT: Wood, William  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3330R1C54  
;; CURRENT APPLICATION NUMBER: US/10/123,904  
;; PRIOR FILING DATE: 2002-04-16  
;; PRIOR APPLICATION removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 550  
;; SEQ ID NO 186  
;; LENGTH: 364  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-123-904-186

Query Match 100.0%; Score 177; DB 9; Length 364;  
Best Local Similarity 100.0%; Pred. No. 7.3e-17;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRGRKAKTMAVLDIQLDHERCDDICSSRPPR 32  
Db 333 KRGRKAKTMAVLDIQLDHERCDDICSSRPPR 364

RESULT 11

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US-10-140-470-186
; Sequence 186, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C160
; CURRENT APPLICATION NUMBER: US/10/140,470
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-470-186

Query Match          100.0%; Score 177; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.3e-17;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      1 KRGRAKTALVDIQDHERCICSSRRPR 32
Db      333 KRGRAKTALVDIQDHERCICSSRRPR 364

RESULT 12
US-10-175-746-186
; Sequence 186, Application US/10175746
; Publication No. US2003002270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C353
; CURRENT APPLICATION NUMBER: US/10/175,746
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
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; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-746-186

Query Match          100.0%; Score 177; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.3e-17;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      1 KRGRAKTALVDIQDHERCICSSRRPR 32
Db      333 KRGRAKTALVDIQDHERCICSSRRPR 364

RESULT 13
US-10-176-918-186
; Sequence 186, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C382
; CURRENT APPLICATION NUMBER: US/10/176,918
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 186
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-918-186

Query Match          100.0%; Score 177; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.3e-17;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      1 KRGRAKTALVDIQDHERCICSSRRPR 32
Db      333 KRGRAKTALVDIQDHERCICSSRRPR 364

RESULT 14
US-10-176-921-186
; Sequence 186, Application US/10176921
; Publication No. US20030027276A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
```



Search completed: June 11, 2003, 08:16:58  
Job time : 5.22222 secs

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: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P3330RIC288
: CURRENT APPLICATION NUMBER: US/10/176, 921
: CURRENT FILING DATE: 2002-06-20
: Prior Application removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 186
: LENGTH: 364
: TYPE: PRT
: ORGANISM: Homo Saplen
US-10-176-921-186
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Query Match          100.0%; Score 177; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.3e-17;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 KRGRAKTMALVDIQLDHERCDICSSRPPR 32
DB      333 KRGRAKTMALVDIQLDHERCDICSSRPPR 364
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RESULT 15
US-10-137-865-186
: Sequence 186, Application US/10137865
: Publication No. US20030032155A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: DeForge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P3330RIC288
: CURRENT APPLICATION NUMBER: US/10/137, 865
: CURRENT FILING DATE: 2002-05-03
: Prior Application removed - See Palm or File Wrapper
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 186
: LENGTH: 364
: TYPE: PRT
: ORGANISM: Homo Saplen
US-10-137-865-186
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Query Match          100.0%; Score 177; DB 9; Length 364;
Best Local Similarity 100.0%; Pred. No. 7.3e-17;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 KRGRAKTMALVDIQLDHERCDICSSRPPR 32
DB      333 KRGRAKTMALVDIQLDHERCDICSSRPPR 364
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